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University  
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UNIVERSITY  
OF OREGON  
MEDICAL  
SCHOOL  
PORTLAND

1970-71

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Oregon State  
System of  
Higher Education

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NO. 166

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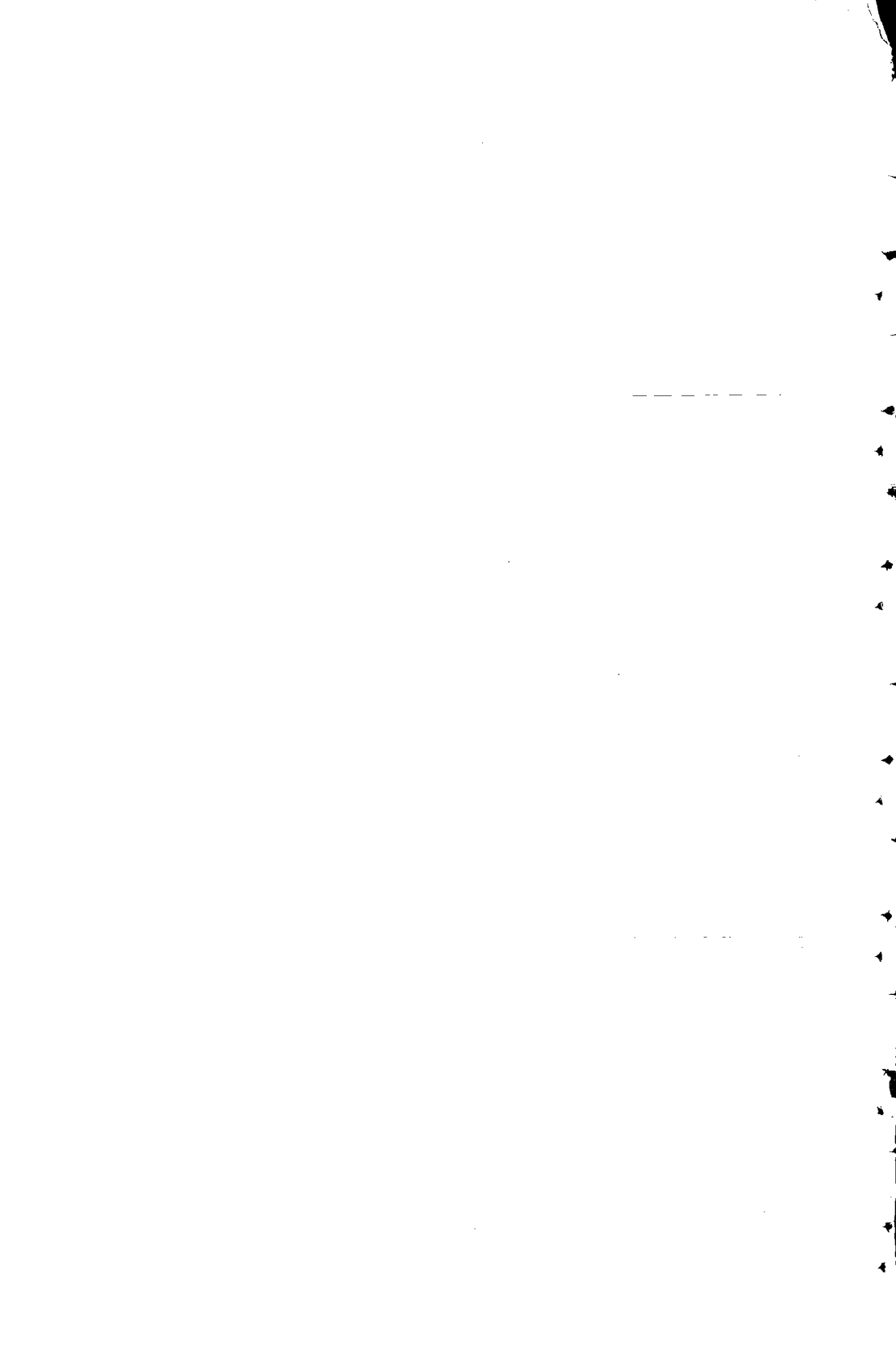
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1970-71  
CATALOG

University of  
Oregon  
MEDICAL  
SCHOOL

3181 S.W. Sam  
Jackson Park Road  
Portland, Oregon 97201



## *Education with a Purpose*

*Medical care and the education of future physicians, nurses and health workers of all kinds in the United States are undergoing rapid change and expansion. Strikingly new surgical techniques and therapeutic advances are being employed by the profession in the care of the sick; fresh new ideas in the approach to the teaching of physicians, nurses and those in the allied health professions are being employed; new medical facilities are being built and others are in the design stages.*

*This is being done to meet the challenge brought about by the enormous expansion of medical knowledge in the past few decades and the demands placed on doctors and educators alike to cope with the emerging needs in Oregon and the nation to provide adequate health care to all citizens.*

*The basic purpose of the University of Oregon Medical School is to teach qualified young men and women the art and science of medicine, nursing and allied health sciences and to offer graduate work in the sciences basic to medicine and nursing. Its clinical facilities, in addition to serving as teaching laboratories, provide the community with needed medical services. Investigations into the causes and treatment of disease are a natural adjunct to the teaching programs and today the University of Oregon Medical School conducts a vast and important program of medical research.*

*The institution provides instructional and training programs in a number of health science areas. The basic charge is to offer a curriculum leading to the degree Doctor of Medicine. The institution also has responsibility for providing curricula leading to the Bachelor of Science degree in Nursing and the Master's degree in Nursing Education, Bachelor's and Master's degrees in Medical Technology, and programs leading to Master's and Doctoral degrees in the sciences basic to medicine—oftentimes conferred jointly with the Doctor of Medicine degree. Additionally, the institution offers course work in the developing allied health education programs leading to degrees or certification. Extensive training programs are conducted for interns, residents and fellows, and the Medical School sponsors ongoing programs of continuing health education for physicians, nurses, and those in the allied health sciences in Oregon and in the Northwest states.*

*The opportunities for improving medical knowledge and applying it to human welfare in the years to come will continue to mount. Today—and tomorrow—the average resident in Oregon and in the United States can look forward confidently to a level of health and a life span beyond the highest expectations of his parents and grandparents.*



OREGON  
STATE  
SYSTEM OF  
HIGHER  
EDUCATION

*An Overview*

The Oregon State System of Higher Education, organized in 1932, provides educational opportunities to young people and adults throughout the State of Oregon. Member institutions are elements of an articulated system, parts of an integrated whole.

Opportunities for general education are distributed as widely as possible throughout the state, while specialized professional and technical programs are centered at specific institutions.

The institutions of the State System of Higher Education are Oregon State University at Corvallis, the University of Oregon at Eugene, Portland State University at Portland, Oregon College of Education at Monmouth, Southern Oregon College at Ashland, Eastern Oregon College at La Grande, and Oregon Technical Institute at Klamath Falls. The University of Oregon Medical School and the University of Oregon Dental School are located in Portland. The Division of Continuing Education represents all the institutions in making college level courses and special programs available to all citizens. The Division has offices in Salem and Roseburg as well as on most OSSHE campuses.

An interinstitutional booklet, "Your Education," lists fields of study at all State System institutions, and gives other important information for prospective students. For a free copy, write "Your Education," State Board of Higher Education, P.O. Box 3175, Eugene, Oregon 97403.

# *State Board of Higher Education*

Board members are appointed to six-year terms by the Governor of Oregon with confirmation by the State Senate.

## MEMBERS OF THE BOARD

	Term Expires
Robrt D. Holmes, Portland .....	1971
Loran L. Stewart, Eugene .....	1971
John D. Mosser, Beaverton .....	1972
Charles R. Holloway, Jr. Portland .....	1973
Elizabeth H. Johnson, Redmond .....	1974
John W. Snider, Medford .....	1975
George H. Corey, Pendleton .....	1975
Philip A. Joss, Portland .....	1976
George Layman, Newberg .....	1976

## OFFICERS OF THE BOARD

George Layman .....	President
John W. Snider .....	Vice President
<hr/>	
Roy E. Lieuallen .....	Chancellor
Richard L. Collins .....	Secretary of Board

Office of State Board of Higher Education  
Post Office Box 3175  
Eugene, Oregon 97403

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## *Oregon State System of Higher Education Officers*

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Robert W. MacVicar, Ph.D.  
President, Oregon State University

Robert D. Clark, Ph.D.  
President, University of Oregon

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Dean, University of Oregon Medical School

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President, Eastern Oregon College

Louis G. Terkla, D.M.D.  
Dean, University of Oregon Dental School

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President, Southern Oregon College

Gregory B. Wolfe, Ph.D.  
President, Portland State University

Winston D. Purvine, A.B., LL.D.  
President, Oregon Technical Institute

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Freeman Holmer, M.A. .... Vice Chancellor for Administration  
J. I. Hunderup, M.B.A., C.P.A. .... Vice Chancellor for Facilities Planning  
Miles C. Romney, Ph.D. .... Vice Chancellor for Academic Affairs  
Donald R. Larson, B.A. .... Assistant Chancellor, Director of Public Services  
Keith Jackson, M.S. .... Budget Director  
Richard L. Collins, M.A., C.P.A. .... Secretary, Board of Higher Education

# *University of Oregon Medical School*

## OFFICERS OF ADMINISTRATION

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**M. Roberts Grover, Jr., M.D.,** Associate Dean; Director, Continuing Medical Education

**William A. Zimmerman, B.S.,** Associate Dean for Business Affairs

**Joseph J. Adams, B.B.A.,** Assistant Dean

**Richard L. Sleeter, M.D.,** Assistant Dean

---

**Michael D. Baird, M.D.,** Medical Director and Administrator, Hospitals and Clinics

**Jarvis Gould, M.D.,** Associate Medical Director and Associate Administrator, Hospitals and Clinics; Administrator, Multnomah Hospital

**Gwynn C. Brice,** Administrative Director, Central Services, Hospitals and Clinics

**Gary J. Rood, M.A.,** Administrator, University of Oregon Medical School Hospital

**Barbara Hiatt, M.S., R.N.,** Administrator, University State Tuberculosis Hospital

**Max F. Kersbergen, M.S.,** Administrator, Outpatient Clinic

**Richard L. Sleeter, M.D.,** Director, Crippled Children's Division

---

**A. J. Clemons,** Director, Facilities Planning

**Wilson C. Dockery, B.S.,** Director, Student Activities Building

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**Richard Herren,** Director, Instructional Aids

**Margaret E. Hughes, B.S.** Librarian

**Robert A. Jellum, B.S.,** Budget Officer

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**Caroline H. Pommarane, B.S.,** Registrar

**Allan L. Rogers, B.S.,** Director, Animal Care

**Leonard E. Shapland, B.A.,** Student Financial Aid Officer

**Dick B. Speight, A.B.,** Director, Admissions

**Agnar A. Straumfjord, M.D.,** Director, Student Health Service

**Ralph Tuomi, B.S.,** Director, Physical Plant



# 1

## GENERAL INFORMATION FOR STUDENTS



## GENERAL INFORMATION

The University of Oregon Medical School is located in Portland (population 384,000), the largest city in the state of Oregon. Situated on the Willamette River near its junction with the Columbia River, Portland is a city of diverse business and industrial activities and, although 85 miles from the Pacific Ocean, an important seaport. The city is well known for its beautiful homes, parks, and boulevards and for its mild climate. The foothills of the Cascade Mountains rise on the outskirts of Portland; Mount Hood, one of the major peaks in the range, towers on the southeastern horizon.

### *History*

Medical education in the Pacific Northwest had its beginning in 1867 when courses and lectures were offered to medical students by the medical department of Willamette University in Salem. After ten years of operation it was decided that the medical department should move to Portland, where the metropolitan advantages of greater population and more hospitals would aid in providing a more complete teaching program.

During this period a group of Portland physicians petitioned the Board of Regents, of the University of Oregon to grant a charter for a medical school to be located in Portland. In 1887 the charter was granted and the University of Oregon Medical School became a reality—in a two-room building in northwest Portland.

In 1895 the Willamette University medical department returned to Salem. Because of the limited facilities in that city and the lack of funds to continue operation, it merged with the University of Oregon Medical School in 1913. Under terms of the merger, the students of Willamette medical department were transferred to the University of Oregon Medical School and received diplomas indicating the consolidation. At the same time the alumni groups also merged.

In 1919 the Medical School moved to its present campus, on a 101-acre tract in Sam Jackson Park overlooking the city of Portland—away from the congested area but within one-and-one-half miles of the business district. The original tract included 20 acres donated in 1917 by the Oregon-Washington Railroad and Navigation Company and 88 acres given by the late Mrs. C. S. Jackson and the late Philip Jackson in memory of C. S. Jackson, publisher of the *Oregon Journal*. In 1958, the Oregon State Board of Higher Education accepted the gift of an additional 27 acres from the Journal Publishing Company.

Because the location provided an ideal setting for medical center buildings and affiliated units, the University of Oregon Medical School in 1920 conveyed to Multnomah County 9 acres of the campus for the construction of a general charity hospital; in 1926 a 25-acre tract was deeded to the United States government as the site of the U.S. Veterans Hospital.

From 1919 to the present, great advances have been made in the development of the Medical School. The depth and scope of its various programs have continued to expand until today the School has a beautiful campus, fine hospitals, clinics and an excellent faculty.

### *Physical Facilities*

The physical facilities of the University of Oregon Medical School are valued at approximately \$31,000,000 and are keeping pace with the School's expanding programs of education, research and public service.

## PHYSICAL FACILITIES

The First Medical Science Unit (1919), of what is now called *Mackenzie Hall*, a three-story structure, was financed through an appropriation of \$110,000 by the 1917 State Legislature and by cash donations amounting to \$25,000 from Portland citizens. The second unit (1922), was financed through an appropriation of \$113,000 by the 1921 State Legislature, matched by an equal appropriation from the General Education Board of New York. It is five stories high, similar in construction to the first unit, but has twice its capacity. An additional \$50,000 was appropriated by the General Education Board for equipment. A three-story laboratory wing was added in 1939.

*The Outpatient Clinic* (1931, 1968), open to patients throughout the state of Oregon who are without funds to provide for their medical care or who are referred by their physician for consultation and treatment, affords teaching facilities for the clinical branches of the Medical School. Approximately 200,000 patient visits are recorded annually. Funds for the construction of the original building were provided through a gift of \$400,000 from the General Education Board of New York. The Outpatient Clinic had its origin in the Portland Free Dispensary founded in 1907 by the People's Institute, a private philanthropic institution. The dispensary affiliated with the Medical School in 1909 and moved to the campus in 1931. A \$2.5 million, seven-story addition to the Clinic was completed in 1968.

*Multnomah Hospital* (1923, 1950, 1969), constructed through funds supplied by Multnomah County, has a capacity of 334 beds with facilities for general medical, surgical, and obstetrical patients. The Multnomah Hospital group includes the *Heating Plant* (1923) and the *Emma Jones Nurses' Dormitory* (1927). Under terms of a contractual arrangement between the commissioners of Multnomah County and the Oregon State Board of Higher Education, the Medical School has access to the hospital for teaching purposes, and the professional staff of the hospital is appointed by the Medical School. This arrangement provides a most successful affiliation for teaching, research and care of the sick. A six-story addition to Multnomah Hospital was opened in the spring of 1969. This \$3.4 million project added 64 patient care beds, a 20-bed psychiatric crisis unit and seven new operating rooms to the facilities.

*The University State Tuberculosis Hospital* (1939) has a 79-bed capacity and a large outpatient unit, the *Julius L. Meier Memorial Clinic*. The hospital has medical and surgical facilities for teaching medical students, interns, residents, and nurses. Funds for the hospital were provided through a state appropriation of \$110,000, a Public Works Administration grant of \$130,900 and a gift from Mrs. Grace R. Meier, Mrs. Jack Meier, Mrs. Joseph Ehrmann, Jr., and Mrs. Frederick Ganz, in memory of Julius L. Meier.

*The Library and Auditorium* (1939, 1967), was erected through a gift of \$100,000 from Dr. John E. Weeks, a gift of \$100,000 from the Rockefeller Foundation, and a grant of \$163,500 from the Public Works Administration. The *Auditorium*, with a seating capacity of 600, affords facilities for lectures and scientific meetings.

Renovation and expansion of Library facilities was completed in 1967 at a cost of \$305,000. As a result, one large and six small study rooms were added as were typing, work and duplicating rooms and additional stack tiers.

*Gaines Hall* (1930), formerly the Portland Medical Hospital, was purchased in 1943 to provide needed housing facilities for students in the School of Nursing. This residence was converted to a general medical services building in 1965.

*The Laboratory and Administration Building* (1949) was financed through a state appropriation of \$663,000. The building houses facilities for the basic science departments, together with administrative offices for the Medical School.



## GENERAL INFORMATION

The *Physical Plant Shop and Warehouse* (1953), provides shop facilities and a central warehouse for the Physical Plant Department and houses the central services unit—printing, personnel and medical graphics. The building was financed by a state appropriation of \$71,000. A \$48,000 addition to the structure was added in 1958 and a second addition to the building, costing \$200,000, was completed in June 1960.

The *Crippled Children's Division Building* (1954) has modern office space and clinical facilities for the statewide crippled children's service administered by the Medical School. It was financed through a \$280,000 appropriation approved by the 1953 Legislature.

The *University of Oregon Medical School Hospital* (1955), a 262-bed teaching and research hospital, was completed in the fall of 1955 at a cost of approximately \$6,300,000. Funds for the construction of the hospital were provided principally from state appropriations, supplemented by several gifts and grants. The hospital contains 126 beds for general, medical, and surgical patients, 26 beds for psychiatric care, and 110 beds for pediatrics (*Doernbecher Memorial Hospital for Children*).

The original Doernbecher Memorial Hospital for Children was built in 1926. It was financed through a gift of \$200,000 by Mrs. E. W. Morse and Edward Doernbecher, in memory of their father, the late F. S. Doernbecher, and by other gifts totaling \$120,000. The original hospital building was remodeled in 1957 at a cost of \$336,779 for clinical laboratory facilities, departmental offices, clinic facilities, and student teaching laboratories.

The *Student Activities Building* (1960), built at a cost of \$358,000, is a two-story structure providing recreational facilities for all student groups on the campus.

The *Medical Research Laboratories Building* (1962), built at a cost of \$2,611,955, was financed through a state appropriation and matching funds from the National Institutes of Health, U.S. Public Health Service. The entire nine-story building is used for medical research. Animal care and housing facilities are contained in the building.

The *Women's Residence Hall* (1964), a modern, \$855,000 structure, houses 170 women students from the Medical, Nursing, and Dental Schools.

The *Parking Structure* (1967), is a four-story, \$837,000, reinforced concrete building providing for metered public parking as well as employee and faculty parking. The structure will hold approximately 416 automobiles on the four levels and is part of an overall expansion program to provide parking facilities in proximity to the core area of the campus.

The *Medical School Farm*, on 180 acres southwest of Portland was purchased in 1961 to house and breed animals for teaching and investigative programs. The farm is ideally suited to the raising and breeding of animals in their natural environments.

The *Child Development and Rehabilitation Center* (1970) provides facilities for primary diagnostic treatment and rehabilitation services of mentally retarded children under the age of 21 and for the demonstration and teaching of students of all medical, dental and allied health disciplines. The \$3,720,000 Center was financed by a State appropriation of \$981,000 and \$2,736,000 construction grant from the U.S. Public Health Service.

Although not a part of the physical facilities of the University of Oregon Medical School proper, the *U.S. Veterans Administration Hospital*, located adjacent to the campus, serves as one of the teaching units of the Medical School. Established

in 1928, this government-owned facility has 555 beds. The teaching program includes clinical experience for medical students as well as advanced residency programs. Coordinating the residency program is the Dean's Committee for the Portland Veterans Administration Hospital.

Construction of two additional buildings on the Medical School campus was completed in 1962: new headquarters for the Portland Center for Hearing and Speech, adjacent to the Crippled Children's Division Building, and a fire station, erected by the city of Portland on a site near the Veterans Hospital.

### Accreditation

The University of Oregon Medical School is one of 88 accredited schools of medicine in the United States. It is approved by the American Medical Association and by the Association of American Medical Colleges. (The most recent visit of the accrediting team occurred in 1969). Its residency programs have been approved by the Council on Medical Education and Hospitals of the American Medical Association and by the respective American boards (see page 84). In addition, special programs are approved by the American Dietetic Association, the Council of Medical Education and Hospitals of the American Medical Association, and the American Registry of Radiologic Technologists.

### Administration

Although the Medical School, chartered by the Board of Regents of the University of Oregon in 1887, has administrative and faculty autonomy, the academic position of the School as an integral part of the University of Oregon is established in its charter and is recognized under the organizational plan of the Oregon State System of Higher Education. A legislative act more than thirty years ago combined all of Oregon's state-operated institutions of higher education into the Oregon State System of Higher Education, which is administered by a nine-member lay board appointed by the Governor. The Chancellor is the chief executive officer.

### Instruction

The University of Oregon Medical School offers instructional programs leading to degrees in medicine, nursing, the sciences basic to medicine, and medical technology. Further, it offers programs in radiologic technology, postgraduate study, internships for physicians and dietitians as well as advanced specialty training in medicine and several specialized graduate and non-degree courses.

Medicine is such a broad and extensive field that it is difficult for the faculty of the medical school to teach the students in four years all that is required for the practice of medicine. The objective of a medical education is to enable the student to acquire the requisite amount of basic factual material, a desire to continue his education as long as he remains active or interested in medicine, the ability to evaluate objectively current trends and new advances in medicine, and the attitudes and ideals that are implied in accepting medicine as a "way of life" rather than merely a way of earning a living. The student must understand that high ethical standards are required in both his personal and professional conduct. The overall education of a physician should not only make him proficient in the science and art of medicine, but should also fit him to assume effectively the civic and social responsibilities associated with his position in the community.

## GENERAL INFORMATION

The student is not expected to learn all the skills of any specialty in medical school, but should acquire the fundamentals which will enable him, with further training, to enter any field of general or specialty practice, research, or teaching.

The University of Oregon Medical School provides a curriculum leading to the degree of Doctor of Medicine. This program begins with an introduction to the normal structure and function of the human body, and continues with a study of the effects of disease and the methods of diagnosis of disease. The clinical portion of the program is taken in the wards of the School's hospitals and in the Outpatient Clinic, where students learn under careful supervision and guidance how to apply their scientific knowledge to the care of patients and the prevention of disease.

The Medical School also offers two special programs of study for outstanding students. One leads to both the medical degree and the Master of Science degree and is five years in length. The other offers the M.D. and Ph.D. and is of seven years' duration.

These programs, offered through the basic science departments of the Medical school—*anatomy, biochemistry, microbiology, pathology, pharmacology, physiology, and medical psychology*—are open to a few selected students each year. Students entering the program pursue a combined course of medical and graduate studies and spend summers and parts of the regular academic years in graduate study. These programs afford an unparalleled opportunity for review and consolidation of basic science concepts at a time when the student has had sufficient clinical training to enable him better to appreciate the importance of the basic sciences in relation to clinical medicine. It provides research experience and advanced basic science training desirable for students expecting to enter medical research and teaching as a career and a superior scientific background for clinical medicine.

Five-year and seven-year medical students assist with teaching in medical laboratory courses during the school year, and with research. In recognition of the value of such students to the departments concerned, and of the necessity of postponing the acquisition of the M.D. degree, such "student assistantships" are accompanied by remunerations.

The Medical School also offers regular programs of graduate work leading to the Master of Science and Doctor of Philosophy degrees, in the basic sciences (see Graduate Studies Catalog), and conducts training programs for residents and interns in the School's Hospitals and Clinics.

The University of Oregon School of Nursing provides an important instructional program on the Medical School campus. Courses in medical technology and radiologic technology, and a one-year internship in dietetics also are offered. Each year the Medical School conducts an extensive postgraduate program for physicians in the states of the Pacific Northwest, British Columbia, and Alaska (see also page 85).

### *Research*

Although the primary purpose of the University of Oregon Medical School is teaching medical students the science and art of medicine, another and equally important function is investigation into the causes and treatment of disease.

In the worldwide struggle to improve the health and happiness of mankind, millions of research dollars are expended annually in the nation's medical schools. Oregon is no exception. Investigations underway at the Medical School are supported

by gifts and grants amounting to approximately \$6,000,000 annually. These funds are made available by private individuals and industry, by foundations and societies, and by the State and Federal governments.

Currently, more than 315 research projects are being conducted at the School in virtually every area of the bio-medical sciences. Contributions made by University of Oregon Medical School investigators to medical knowledge have been numerous and have received worldwide recognition.

## *Library*

The Medical School Library's responsibility is to provide its clientele with literature in the fields of medicine and allied sciences for the purpose of study, reference and research. It exists to perform professional medical library service for an institution concerned with medical education, research and patient care. The extent of coverage depends on the strength of the teaching departments and the demands made upon the Library by those who use it. Research coverage is available in most areas to carry on extensive investigative work at the doctoral level to fill the needs of physicians, medical educators, medical research workers, medical students, graduate students in the basic sciences, nursing faculty, student nurses, graduate nurses.

Instruction is given in the use of the indexes and in the location of material. Medical library service is offered to physicians in Oregon and the Pacific Northwest, through cooperation with the Pacific Northwest Regional Health Sciences Library at the University of Washington in Seattle. Medical books and periodicals may be borrowed from the Library. Reference service is provided. Bibliographic services include the preparation of demand searches for MEDLARS (Medical Literature Analysis and Retrieval System) searching at the National Library of Medicine for all members of the health manpower community.

The Library, containing 130,000 volumes of books, bound and unbound periodicals, and subscribing to 2,500 current publications, is the only public general medical library in Oregon for research and use by the health sciences community, both basic and clinical. The state and county libraries in Oregon do not maintain such libraries, but give some financial support to the UOMS Library. Also contributing to the Library are the Oregon Medical Association, the State Board of Medical Examiners, the Portland Academy of Medicine, and, for the past four years, the Federal government (through the Medical Library Resources Act of 1965).

## *Alumni Association*

Founded in 1913 the Alumni Association of the University of Oregon Medical School also includes graduates of the Willamette University department of medicine. The association is devoted to the interests of students and graduates and to the encouragement of scientific and professional progress among members of the medical profession generally. Its membership numbers more than 2,700. In the spring of each year, the Alumni Association sponsors a three-day scientific meeting with about 400 registrations. Alumni Association officers for 1970-71 are:

Gerald E. Kinzel, M.D., '36, Portland.....	President
Willis J. Irvine, M.D., '48, Portland.....	Vice President
John C. Brougher, M.D., '28, Vancouver, Washington.....	Vice President

## GENERAL INFORMATION

Delbert R. Dickson, M.D., '46, Santa Barbara, California.....	Vice Presid.
Marvin M. John, M.D., '54, Umatilla.....	Vice Presid.
Gordon W. Summers, M.D., '65, Chicago, Illinois.....	Vice Presid.
Albert Oyama, M.D., '53 Portland.....	Secretar
Ernest T. Livingstone, M.D., '51, Portland.....	Treasur

### *Student Organization*

**Student American Medical Association.** Medical students have an opportunity to join the Student American Medical Association (SAMA), a national medical student organization. The purpose of SAMA is to represent medical student interests on a national scale. Membership is voluntary and on an individual basis. Locally, SAMA, in addition to planning student activities, sponsors scientific noon-hour programs and a part-time employment file for medical students and their wives. It also makes available to students life and hospital insurance programs. Annual dues include a subscription to the SAMA publication, the *New Physician*.

**Alpha Omega Alpha.** Alpha of Oregon chapter of Alpha Omega Alpha, medical college honor society for both men and women, was installed at the University of Oregon Medical School in 1923. The aims of the society are the promotion of scholarship among medical students and the encouragement of high standards of character and conduct. Selection of AOA is made by the active members each spring from the junior and senior classes on the basis of scholarship achievement and character.

**Fraternities.** There are two medical fraternities for men at the University of Oregon Medical School—Nu Sigma Nu and Phi Beta Pi.

Women students are members of the Oregon section of the American Medical Women's Association.

Alumni of these groups take an active interest in their affairs, and the association of alumni, faculty, and student members constitutes an important benefit of membership.

**Christian Medical Society.** The Christian Medical Society (CMS), a nondenominational organization, holds discussion meetings every other week and social gatherings once a month. Students of any religious persuasion are invited to attend these meetings.

**Women's Auxiliary to the Student American Medical Association (WASMA).** During the school year wives of medical students meet for social activities and welfare projects. A program of interest to all members is planned for each of the business meetings. Small groups, "social clubs," also meet frequently. Membership in the auxiliary is about 150.

**Interns and Residents Auxiliary of Portland.** Wives of interns and residents of Portland hospitals meet each month for a program, social activities, and the planning of service projects. Meeting place is rotated among the Portland hospitals.

### *Social Activities and Athletics*

General invitations are extended to all students to attend special lectures and meetings in the Medical School Auditorium. Notices of these events are posted on student bulletin boards. Several traditional dances and fraternity get-togethers are

## FEES AND EXPENSES

planned each year by medical student organizations. An annual luncheon for freshmen is given by the Alumni Association and a reception for graduates following commencement ceremonies is given by the Faculty Wives' Club. And, of course, all students have access to Portland's metropolitan cultural advantages.

Because of enrollment limitations each year and the highly specialized and concentrated nature of medical subjects, the Medical School is unable to sponsor athletics officially. However, basketball, tennis and squash teams represent the Medical School, and students may participate in an active intramural sports program.

The Student Activities Building, providing recreational and athletic facilities for the use of all students on the campus, was opened in the summer of 1960.

### *Housing*

While no facilities for housing male students are provided by the Medical School, many apartments and boarding houses are located close to the campus. An up-to-date list of rental housing is maintained in the Public Affairs Office in the Administration Building.

Women students under the age of 21 years who provide written parental permission, may reside in housing of their choice. However, students are encouraged to consider the pleasant surroundings and proximity to classrooms and laboratories, hospitals and clinics, which is afforded by living in the Women's Residence Hall. This attractive, modern residence for women students is provided primarily for those women enrolled in the Medical School's medical technology and radiologic technology programs, students enrolled in the School of Nursing and for those in the dental hygiene program at the Dental School.

### *Health Service*

The Health Service is a self-supporting activity. It is supported by fees paid by those on behalf of those who use the services. It provides outpatient care during the school day within the limits of the facility. The usual services of the Outpatient Clinic are available, as well as the Clinic Laboratory and the Radiology Department. The Multnomah Hospital Emergency Room is available when acute illness occurs out of hours.

Coverage by the Health Service is available if the student is registered for 8 hours more credit in the current term and has paid the Health Service fee. Students' spouses are eligible for the Outpatient Clinic service.

Detailed information is provided in the Health Service pamphlet and at the Registrar's Office. All students should obtain copies when they register.

### *Fees and Expenses*

Fees and deposits paid by students at the University of Oregon Medical School are as follows:

#### **Regular Fees**

Medical students, Oregon residents, per term.....	\$256.00
Medical students, nonresidents, per term.....	412.00

## GENERAL INFORMATION

Graduate students (candidates for M.A., M.S., Ph.D.), per term .....	167.00
Graduate students enrolled for 7 term hours of work or less.....	\$17.00 per term hour (minimum, \$34.00)
Graduate students employed as research assistants or fellows, per term.....	47.00

### Deposits

<sup>1</sup> Deposit to reserve place in entering class (applied on tuition).....	\$75.00
<sup>2</sup> Breakage deposit, per year—first and second years.....	\$15.00
<sup>2</sup> Breakage deposit, per year—graduate students.....	\$ 5.00

### Special Fees

Registration and laboratory fee for special students registered for 7 term hours of work or less—\$21.00 per term hour (minimum \$42.00 per term)	
Auditor's fee for lectures, per term hour.....	\$ 6.00
An auditor is a person who has obtained permission to attend classes without receiving academic credit.	
Transcript fee.....	\$ 1.00
One transcript is issued free; a fee of \$1.00 is charged for each additional transcript.	
Evaluation fee.....	\$10.00
The evaluation fee is charged for the evaluation of transcripts submitted with the application for admission; not refundable.	
Late-registration fee. First day.....	\$ 5.00
Each day thereafter.....	\$ 1.00
Registration day is the first two days of each term; registration is not complete until the student pays his tuition and fees. The first penalty day for full-time students in medicine and medical technology is the first day after the second registration day. The first penalty day for graduate students is one week after the first day of the term.	
Graduate qualifying examination fee.....	\$1.00 to \$15.00
Change of program fee, per course.....	\$ 1.00

### Microscopes

Medical students are expected to provide themselves with microscopes. Microscopes are available for students who wish to rent them, for a fee of \$30.00 a year.

### Estimate of Yearly Expenses

The following table represents only estimates based on current fees and results of student surveys :

Tuition and fees, full-time resident students.....	\$ 768.00
Tuition and fees, full-time nonresident students.....	1,236.00
Breakage deposit.....	15.00
Microscope fee.....	30.00
Books and supplies.....	135.00
Board and Room.....	1,200.00
Personal expenses.....	200.00

<sup>1</sup> See page 27.

<sup>2</sup> The cost of any damage done by a student to Medical School property is deducted from the deposit; in case the identity of the one responsible cannot be established, a pro-rata charge is made against the entire class of which he is a member.

### Fee Refunds

Students who withdraw from the Medical School and who have complied with the regulations governing withdrawals are entitled to certain refunds of fees paid, depending on the time of withdrawal. The refund schedule has been established by the Oregon State Board of Higher Education and is on file in the Business Office of the Medical School. Refunds are subject to the following regulations:

- (1) Any claim for refund must be made in writing before the close of the term in which the claim originated.
- (2) Refunds in all cases are calculated from the date of application for refund and not from the date when the student ceased attending classes, except in unusual cases when formal withdrawal has been delayed through causes largely beyond the control of the student.

### Regulations Governing Nonresident Fees

Under the regulations of the Oregon State Board of Higher Education, a minor student whose parent or guardian is a bona fide resident of Oregon qualifies for enrollment under the resident fee; a student whose domicile is independent of his parent or guardian qualifies for enrollment under the resident fee if he presents convincing evidence that he established his domicile in Oregon six months prior to his first registration.

All other students are required to pay the nonresident fee, with the following exceptions: (1) a student who holds a degree from an accredited college or university (however, a nonresident student with a bachelor's degree enrolled in a curriculum at the University of Oregon Medical or Dental School leading to the degree of Doctor of Medicine or Doctor of Dental Medicine is required to pay the nonresident fees); (2) a student attending a summer session; (3) a student paying part-time fees.

A student who has been classified as a nonresident may be reclassified as a resident:

- (1) In the case of a minor, if his parent or guardian has moved to Oregon and has established a bona fide residence in the state, or
- (2) In the case of a student whose domicile is independent of that of his parent or guardian, if the student presents convincing evidence that he has established his domicile in Oregon and that he has resided in the state for at least twelve consecutive months immediately prior to the term for which reclassification is sought, and that he has no intention of moving out of the state after completion of his school work.

A student whose official record shows a domicile outside of Oregon is prima facie a nonresident and the burden is upon the student to prove that he is a resident of Oregon. If his scholastic record shows attendance at a school outside of Oregon, he may be required to furnish further proof of Oregon domicile.

If any applicant has questions concerning the rules governing the administration of these policies, he should consult the Registrar's Office.

### Part-Time Employment

The academic responsibilities in medical school are such that it is usually impossible for a student to undertake outside employment during the school year without causing academic work to suffer. This is particularly true in the first and second years. Under special circumstances students may find employment in various departments of the University of Oregon Medical School and hospitals during their second, third, and fourth years and during summer vacations.



## GENERAL INFORMATION

### Veterans' Information

The student must present a Certificate of Eligibility to the Registrar effective prior to the opening day of the course in order to take advantage of veterans' benefits. Questions concerning benefits should be directed to the Portland Regional Office of the Veterans Administration.

### *Fellowships, Scholarships, Grants-in-Aid Awards*

The Medical School has available a limited number of scholarships and fellowship funds for deserving medical students. Application for scholarships should be filed in the Registrar's Office by March 1 of each year. Scholarships are awarded by the Dean upon the recommendation of the Committee on Scholarships of the faculty of the Medical School.

**Noble Wiley Jones Pathology Research Fellowship.** This fellowship, established in 1919, consisting of the interest on \$5,000 held in trust, is the gift of Dr. Noble Wiley Jones of Portland. It is awarded annually to a medical student or resident on the basis of scholastic ability, training in pathology, and interest in research in this field.

**Frank Ralston Research Student Assistantship.** This assistantship was established in 1946 through a gift of \$5,000 from Dr. Frank Ralston. Since that time additional gifts have increased the principal of the fund to approximately \$13,000. The funds are devoted to research in glaucoma under the direction of the chairman of the Department of Ophthalmology.

**Kenneth A. J. Mackenzie Memorial Scholarships.** Five \$200 scholarships are awarded annually for the study of medicine, in accordance with the following plan: one \$200 scholarship is awarded each year to the outstanding premedical student at the University of Oregon in the last year of his premedical studies; if the student enters the University of Oregon Medical School and continues to maintain a high scholastic record the scholarship is renewable for each of his four years of medical training; if the student does not maintain a high scholastic record at the Medical School, his scholarship is transferred to the outstanding member of his Medical School class who has taken his premedical work at the University of Oregon. The scholarships are a memorial to Dr. Kenneth A. J. Mackenzie, former dean of the Medical School; they are endowed through a bequest from the late Mrs. Mildred Anna Williams.

**Pohl Memorial Scholarships.** These scholarships were endowed in 1936 by a gift of \$5,000 from the late Dr. Esther Pohl Lovejoy, in memory of her husband Dr. Emil Pohl, and her son, Frederick Clayson Pohl. The original gift was supplemented by additional annual donations from Dr. Lovejoy, which increased the endowment to above \$37,000. Awards are made to students of promise in the field of medicine. Two-thirds of the scholarships are given to men students, one-third to women students.

**James P. Griffin Scholarships.** Three \$500 scholarships are awarded each year from a fund established in 1959 through a bequest from Mrs. James P. Griffin in memory of her husband. Awards are made to worthy and promising medical students on the basis of need and scholastic attainment.

**State Scholarships.** In accordance with special authorization from the Legislature, the State Board of Higher Education awards annually a limited number of scholarships to students in the institutions of the State System who are residents of Oregon, who rank high in scholastic attainment, and who need financial assist-

ance. These scholarships cover tuition. Recipients must pay the building fee, the incidental fee, and special fees.

**George H. Strowbridge Memorial Scholarship.** This scholarship consists of the income from a bequest of \$5,000 from Mary S. Muellhaupt in memory of Dr. George H. Strowbridge, a graduate of the University of Oregon Medical School in the Class of 1897. Award is made to a student of the second-, third-, or fourth-year class on the basis of scholastic attainment and need.

**Alumni Scholars.** The Alumni Association of the University of Oregon Medical School makes awards annually to provide scholarships in the amount of \$500 for selected medical students who have demonstrated superior academic performance. Recipients are designated "Alumni Scholars."

**Pfizer Laboratories Medical Scholarship.** This \$1,000 scholarship, established in 1962, is awarded to a deserving student on the basis of scholastic record and financial need.

**Jackson Foundation Scholarship.** An award of \$1,000 is made to a medical student who graduated from an Oregon secondary school, who has the ability to do high quality work in the Medical School, and who is in need of financial assistance. The scholarship was established in 1962.

**Emily F. Edson Scholarships.** Scholarships are awarded to both medical and nursing students, on the basis of scholastic achievement and need, from a fund established through a bequest under the will of the late Emily F. Edson, administered through The Oregon Bank. The initial bequest, in 1962, was approximately \$54,000.

**Henry Waldo Coe Prize.** This prize, established in 1929, is awarded to a second-, third-, or fourth-year student in the Medical School who presents an essay on a medical subject exhibiting superiority and originality in composition. The prize consists of the interest on a gift of \$1,000 from the late Dr. Henry Waldo Coe.

**Walter J. Rosenfeld Scholarship Fund.** This is a perpetual fund established under the will of Walter J. Rosenfeld of Portland. The income from the fund is used annually for two scholarships for selected medical students.

**Harold F. Wendel Memorial Fund.** The income from an endowment fund established in memory of the late Harold F. Wendel by his wife, Elise F. Wendel, is presented annually to the outstanding resident or fellow in cardiology.

**Health Professions Scholarship Fund.** This Federal scholarship program was authorized by the Health Professions Educational Assistance Amendments Act passed by Congress in 1965. The Act specifies that these scholarships are available only to students who, without the amount of the scholarship award, could not pursue the required course of study during the year for which the award is made. For the academic year 1970-1971 scholarships will be available at the University of Oregon Medical School for students in the first-, second-, and third-year classes.

**The Roche Laboratories** provide an annual award to an outstanding member of the senior class. The award consists of a watch and an engraved scroll. **The Upjohn Company** makes an annual monetary award to an outstanding senior student; **Lange Medical Publications** awards books to two outstanding students in each class; **The Merck Manual Award**, a copy of *The Merck Manual* is made to two outstanding students at the completion of their junior year; and **The C. V. Mosby Company** awards a book to five students at the completion of their second year.

## *Loan Funds*

The Medical School has loan funds available for students. In general, loans fall into two classifications—emergency and long-term loans. Long-term loans are generally limited to \$750 a year or to a maximum of \$1,500 to any one student. Emergency funds are available for small, short-term loans. Interest rates vary with the fund use and application should be made to the Medical School Business Office.

**Ben Selling Loan Fund.** This fund, a bequest from the late Mr. Ben Selling, is administered by the Trust Department of the First National Bank of Oregon.

**W. K. Kellogg Loan Fund.** In May 1942, the W. K. Kellogg Foundation established a \$10,000 loan fund at the University of Oregon Medical School for the financial assistance of medical students. Preference is given to first- and second-year students who have demonstrated scholastic ability, character, and need. The usual loan is \$250. Loans are administered through the Office of the Dean.

**F. E. Jacobs Memorial Loan Fund.** This loan fund was established in 1950 through gifts from relatives and friends of the late Dr. F. E. Jacobs, a 1929 graduate of the University of Oregon Medical School. Loans are made to senior medical students. The fund at present totals approximately \$1,000.

**Dr. Francis Ortschild Memorial Fund.** This loan fund, approximately \$65,000, was established in 1960 through a bequest under the will of Viola Ortschild of Portland. It is to be used for loans to needy and worthy medical students.

**Joan Balise Memorial Loan Fund.** This fund was established in 1960 in memory of the late Joan Balise by her husband, to provide emergency loans to medical students. The fund at present totals approximately \$1,150.

**So Chee Sue Scholarship Loan Fund.** This fund was established in 1959 by Dr. Julius F. Sue in memory of his father, So Chee Sue, as a perpetual loan fund for senior medical students. The fund now amounts to approximately \$1,050.

**M. B. Taylor Loan Fund.** A bequest of \$10,000 from the late Millard B. Taylor is used for student loan funds in essentially the same manner as other loan funds at the Medical School. This fund was established in 1967.

**Rita Simmons Graduate Scholarship Loan Fund.** This fund of approximately \$425 was established in 1967. It is available to medical and graduate students for loans not to exceed \$150 per year.

**Health Professions Student Loan Program.** Under the provisions of the Health Professions Educational Assistance Act of 1963, funds have been provided by the Federal government for loans to medical students. The maximum loan available is \$2,500 per year.

**Oregon Guaranteed Student Loan Fund (Oregon Residents Only).** An arrangement between the University of Oregon Medical School, the student's Oregon bank, and the Oregon State Scholarship Commission provides assistance up to \$1,000 per year for undergraduate students and \$1,500 a year for graduate students up to a total of \$7,500.

**American Medical Association Loan Fund.** The American Medical Association has established a loan fund which provides substantial loans to medical students, interns, and residents, with provision for repayment over a period of several years. Information regarding the fund is available in the Medical School Business Office.

# 2

## ADMISSIONS AND SCHOLASTIC REGULATIONS



## *Admission Requirements*

*High School Preparation.* The applicant must have satisfactorily completed a four-year course in an accredited high school or its equivalent.

Because there is no single course of study which best prepares a person for medicine, the student planning to enter medical school should obtain a good general education and emphasize in college those fields in which he has the greatest personal interest, whether they be in the sciences or in the liberal arts. A student whose major undergraduate interest lies outside the biological or physical sciences should have adequate scientific preparation in the fundamentals of chemistry, physics, and biology. Certainly, a student with a primary interest in one of the sciences should be encouraged to pursue such studies as a major course in his undergraduate career. It is not desirable, however, to take courses in college which will be duplicated in medical school (human anatomy, biochemistry, human physiology, medical bacteriology, etc.). A student is better prepared if he takes other basic science courses or work in fields such as mathematics and the social and behavioral sciences. As we learn more of man and his reactions, it becomes obvious that social, economic, and other environmental factors have much to do with his physical and mental health.

Admission to the Medical School is on a competitive basis and concerns two types of qualifications: (1) evidence of good character and a high motivation for medicine, (2) sufficient ability and preparation to undertake satisfactorily the study of medicine, as judged by his premedical scholastic record and scores on the Medical College Admission Test.

Applicants for admission are required to complete not less than three years of full-time work in an accredited college or university, i.e., 138 term hours (92 semester hours) exclusive of military science, before entering the Medical School. Although only three years of college are required for admission, four years are recommended.

The following subjects are prescribed as the minimum acceptable for admission:

Chemistry—a minimum of 24 quarter hours to include:

- a. General chemistry with laboratory work ..... 12 hours
- b. Organic, chemistry including aliphatic and aromatic  
compounds with laboratory work ..... 8 hours
- c. Quantitative analysis ..... 4 hours

Biology—a minimum of nine quarter hours of general biology (or zoology) including basic genetics. Advanced courses in cellular physiology or embryology are strongly recommended. A core program may possibly complete all biology requirements in one sequence.

Physics—a minimum of 12 quarter hours to include the division of mechanics, heat and sound, light and electricity with laboratory work.

College mathematics—a minimum of 12 quarter hours. (Calculus is strongly recommended.)

General psychology—a minimum of six quarter hours.

Note: This is a requirement for the entering class of 1973, until then it is strongly recommended.

Grades of "pass" or "satisfactory" are not acceptable in courses prescribed as requirements for admission. Questions concerning grades of pass or satisfactory should be clarified with the Director of Admissions.

## ADMISSION REQUIREMENTS

knowledge of a major modern foreign language (German, French, Russian, Spanish) is highly recommended as a part of the cultural training of the physician. Students anticipating research in the medical sciences should have a basic knowledge of German, French or Russian. The premedical student should keep in mind that some medical schools require credit in foreign language for admission.

### Medical College Admission Test

Applicants for admission are expected to have taken the Medical College Admission Test, given for the Association of American Medical Colleges at the various institutions offering premedical curricula. Applicants should take the test during the calendar year immediately preceding the year of their admission to the Medical School. The test is given twice each year, in the early fall and mid-spring. Information as to exact time and place of the test and registration deadlines can be obtained from college premedical advisors.

### Bachelor's Degree

A student entering the University of Oregon Medical School without a Bachelor of Arts or Bachelor of Science degree must complete the work required for one of these degrees in the institution at which he received his premedical preparation, or the University of Oregon at Eugene, before entering the third year in the Medical School.\*

The University of Oregon, Oregon State University, Portland State University, and most of the colleges and universities of the Pacific Northwest recognize credit earned by a student during his first year at the Medical School as credit earned in residence toward the bachelor's degree.

### Application Procedure

Application forms may be obtained from the Office of Admissions. Because the Committee on Admissions begins examining applications a year in advance of entrance to the Medical School, *early application is advisable*. Applications are accepted between July 1 and November 15. A place in the first-year class is not granted to an applicant more than one year before the beginning of instruction for that class.

The University of Oregon Medical School gives primary consideration to well qualified applicants who are residents of Oregon. Preference is also given to well qualified residents of neighboring western states which do not have medical schools and which are members of the Western Interstate Commission on Higher Education (WICHE). Superior applicants from other regions are also given consideration.

Applicants who are residents of Alaska, Idaho, Montana, Nevada, or Wyoming, should request certification for medical training under WICHE from their state certifying officer or agency at the time application is made for admission to the University of Oregon Medical School. Preferential consideration for admission is given WICHE-certified applicants over non-certified WICHE applicants; the WICHE-supported applicant pays the Oregon resident tuition fee.

\* Students expecting to receive the bachelor's degree from the University of Oregon should include 9 hours of English composition, 9 hours of lower division English literature in a one-year sequence course, 12 hours of lower division mathematics, 5 terms of physical education and 1 term of health education in their premedical programs. See the University of Oregon Catalog for specific courses that meet the literature and mathematics requirements.

## ADMISSIONS AND SCHOLASTIC REGULATIONS

On or before November 15 the applicant must submit to the Director of Admissions the following :

*Formal application* for admission on the form furnished by the University of Oregon Medical School.

*A fee of \$10.00* which is charged for the evaluation of transcripts. This fee should be enclosed with the application for admission. (Make checks or money orders payable to the University of Oregon Medical School.)

*Two recent unmounted glossy photographs* size  $2\frac{1}{4} \times 2\frac{1}{4}$  of the applicant in conventional dress, front view.

*Official transcripts* from all previous colleges attended.

*Scores received on the Medical College Admission Test.* (When the student takes the test he should request that his scores be sent to the University of Oregon Medical School.)

### *Processing of Applications*

#### **Evaluation of Credentials**

The Committee on Admissions examines each applicant's credentials and bases its preliminary decision on the objective evaluation of the following factors : pre-professional training, evidence of scholarship, Medical College Admission Test scores, personal evaluation of the student by premedical instructors, and evidence of good moral character.

#### **Personal Interview**

After examination of credentials, residents of Oregon generally are requested to appear for a personal interview with the Committee on Admissions. A personal interview is not requested of non-residents whose credentials indicate that they cannot meet the competition for admission, or who would be subjected to excessive travel expense. The committee schedules interviews in Portland, Eugene, and Corvallis.

#### **Physical Examination**

Just as the Medical School's Committee on Admissions may refuse admission to a student on the basis of academic record, it also may reject an applicant on the grounds of lack of physical or mental stability. Applicants who appear well qualified on the basis of the initial screening by the Committee are required to submit reports of complete examinations by their own physicians, which are reviewed by the student health physician before registration.

#### **Notification of Acceptance or Rejection**

All candidates are given written notification of acceptance or rejection as soon as possible after the Committee on Admissions has reached its final decision ; notification is generally given by April 15. Sometimes, however, decisions on applications are delayed until grades in the more advanced science and mathematics courses, such as organic chemistry, quantitative analysis, physics, genetics, embryology, cell physiology and mathematics, are made available to the Admissions Committee. Acknowledgment of notification of acceptance should be made promptly in writing by the successful applicant.

### **Acceptance of Appointment**

When an applicant is offered admission to the Medical School and wishes to accept this admission, a deposit of \$75 must be paid not later than two weeks following notice of acceptance in order to reserve a place in the entering class. If the student should release his place in the class, the deposit is refundable until March 1.

### **Special Students**

Graduates from other medical schools may be admitted as special students but may not be candidates for the degree of Doctor of Medicine at the University of Oregon Medical School.

A person who has failed a course as a medical student in another medical school may not repeat the course as a special student at the University of Oregon Medical School unless the course is given at some time other than during the regular academic year.

Undergraduates may not be admitted to courses in the Medical School as special students.

Special students are charged fees according to the credit hours of work taken.

### **Graduate Studies**

Acceptance by a student of admission to graduate status is regarded as a declaration of intent to complete a program of graduate study prior to application for enrollment in other Medical School educational programs.

### **Advanced Standing**

A student may be considered for admission with advanced standing provided his official credentials are accompanied by a statement from the registrar of the institution from which he is transferring to the effect that the applicant's scholarship in medical school work ranks him in the upper fifty per cent of his class. An honorable dismissal and premedical preparation meeting the regular requirements for admission are also required. In general, only transfer to the third-year class is feasible. Only a very limited number of students can be admitted with advanced standing.

### **Registration Procedure**

Medical students register only once each year (see Calendar, page 8), at the beginning of the fall term. Students report to the Registrar's Office on the day of registration to complete registration and receive class schedules. Fees are to be paid at the Cashier's Office within the first two days of each term.

Schedules of classes for each term are available at 8:00 a.m. on the first day of the term.

## *Scholastic Regulations*

### **Grading System and Grades**

The UOMS uses both the A,B,C,D,E,F and the Pass/Fail grading systems, depending on the nature of the course involved. Generally, courses in which an



## ADMISSIONS AND SCHOLASTIC REGULATIONS

examination is given or in which the student has a clinical assignment involving patients will be graded by the A-F system and courses in which the student's competence is not readily subject to examination or review will be graded Pass/Fail.

At the end of each school year, students will be officially notified about each course they have taken and whether they have passed or failed. The only exception to this will be when a student's letter grade is D,E,F or incomplete, and in this case, the student will be notified at the end of the term. Students may learn exact grades earned in courses graded by the A-F system and the quarter of the class in which they rank scholastically upon personal request at the Registrar's Office.

If at any time during the school year the student feels his work is not satisfactory, he should consult his instructor. Should special problems arise that threaten to interfere with study, the student should consult a faculty member for advice before his scholarship is seriously affected.

### Promotion

In order to be promoted unconditionally from the first to the second year and from the second to the third year in Medical School, the student must receive a passing grade in all subjects and a weighted grade-point average as established by the Executive Faculty. At the completion of the second year all students must achieve a grade of 70 in all subjects of the Part I examination of the National Board of Medical Examiners in order to be promoted to the third year. Failure to obtain a grade of 70 necessitates re-evaluation of the student by the departments in which he has failed. For promotion from the third to the fourth year, students must satisfactorily complete all subjects. The status of students failing to meet these requirements is determined by the promotion boards.

The Preclinical Promotion Board, which considers only students in the first and second year of medicine, consists of all faculty members giving instruction during the first and second years. The Clinical Promotion Board is concerned with the performance of third- and fourth-year students; this board is composed of representatives from all the clinical departments. The boards meet after the end of each term to consider incomplete work, conditions, and failures.

Specific problems are referred to the Review Board for subsequent action. The Review Board, composed of chairmen of departments, considers primarily requests from students arising from actions taken by the Preclinical and Clinical Promotion Boards.

### Elective Courses

Elective courses are offered in both clinical and basic science departments. Registration for elective courses must be arranged at the Registrar's Office. A list of electives that students may take during the elective periods of the curriculum is published annually and can be obtained from the Registrar. Faculty advisors are assigned to help students select elective courses and to approve the courses that the students chose.

If the student withdraws from an elective course for any reason, this must be done at the Registrar's Office within two weeks after the beginning of the course. Otherwise he will be held responsible for the course and the grade will be incorporated into his record.

### Class Attendance

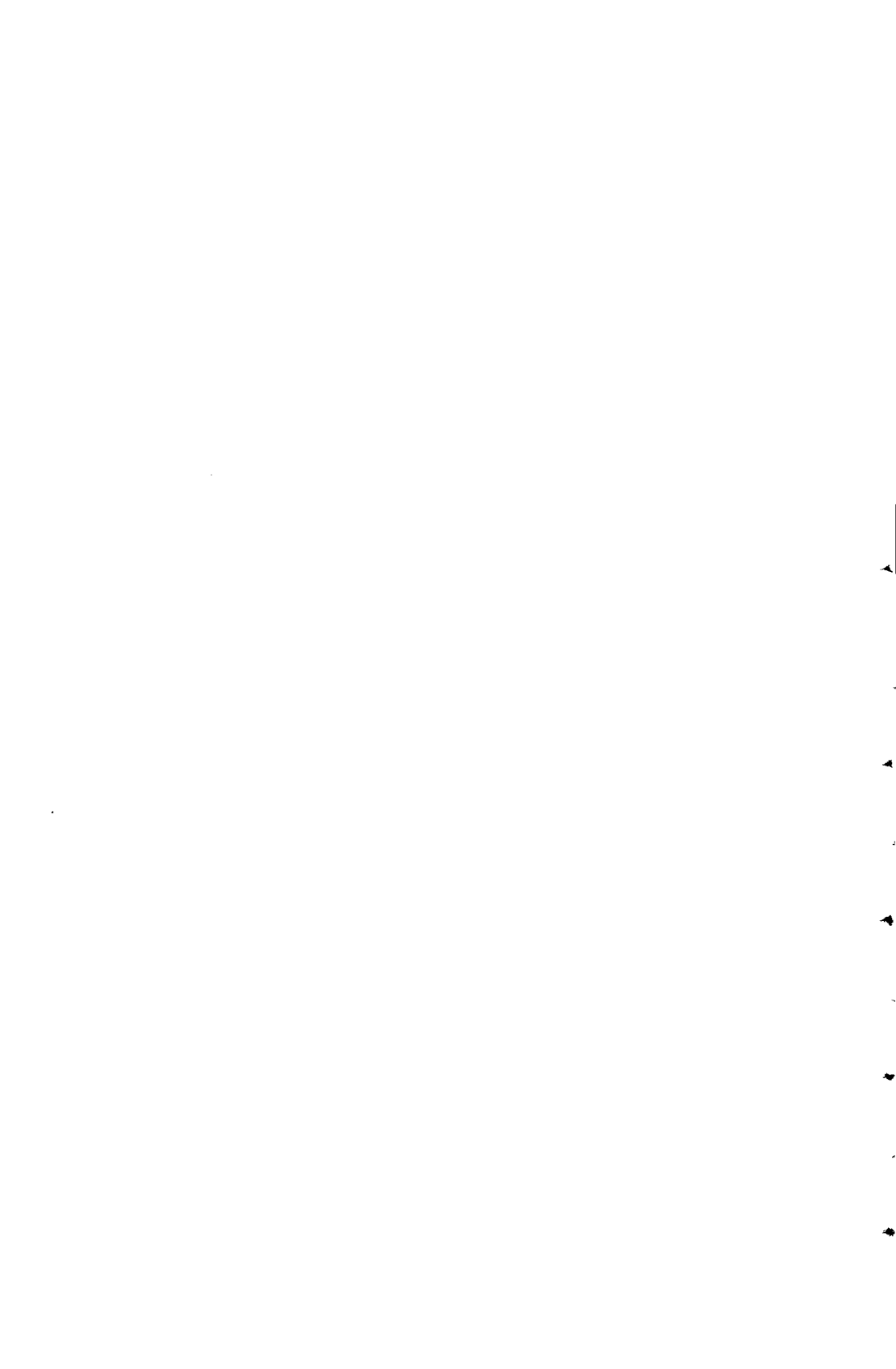
Satisfactory achievement of the educational goals and objectives of each course

## DISMISSAL

normally will require regular class attendance. Such a requirement applies in particular to those courses in which the direct care of patients is expected, where the learning of a skill is necessary, or some other demonstration of responsibility is expected. In these courses, attendance is required unless excused. The faculty in charge of each course will define and communicate to their students the attendance requirements in relation to the objectives of the course.

### **Dismissal**

The faculty has the right to sever, at any time, the connection with the Medical School of any student who it considers to be unfit for a career in medicine. The usual procedure for dropping a student comes from a recommendation by one of the Promotion Boards which are composed of the members of the faculty. Ordinarily, a student may be on probation status for two terms before a Promotion Board may recommend his dismissal. However, for adequate cause, a student may be dropped without previous warning.



# 3

## CURRICULUM IN MEDICINE



# CURRICULUM IN MEDICINE

The curriculum in medicine requires a total of seven years' work beyond high school. The first three years must be satisfactorily completed before admission to the Medical School in Portland. Since facilities for instruction provide for the acceptance of only a limited number of applicants, completion of premedical studies does not guarantee admission to the Medical School.

The four years spent in the Medical School in Portland are devoted to subjects of the regular four-year curriculum in medicine required by law.

The prescribed and recommended subjects for the three premedical years are described under *Admissions and Scholastic Regulations*. In the first, second, third, and fourth years at the Medical School there are 5059 class hours of required work. Descriptions of courses are to be found under the several departmental headings.

## Prescribed Work

	<i>Class Hours</i>	<i>Term Hours</i>
<b>First Year</b>		
An 410.....Anatomy .....	408	20
Con 410.....Cell Organization and Function .....	99	5
Con 411.....Medical Genetics .....	32	2
Con 412.....Developmental Biology .....	40	3
Con 413.....Introduction to Patient Evaluation .....	66	3
Con 414.....Immunology .....	35	2
MPs 410.....Medical Psychology .....	49	2
Pth 410.....General Pathology .....	66	3
BCh 410.....Basic Biochemistry .....	66	3
Phys 410.....Human Physiology .....	150	7
Psy 410.....The Human Context and Medical Practice .....	33	2
PH 410.....Public Health and Epidemiology .....	73	3
	1,117	54
<b>Second Year</b>		
Mb 413, 414.....Med. Microbiology and Immunology .....	216	10
CP 511.....Introduction to Clinical Pathology .....	108	5
Pth 511.....General and Systemic Pathology .....	288	13
Phc 511, 512.....Systematic Pharmacology .....	168	10
Phy 412.....Human Physiology .....	120	6
Med 612.....Physical Diagnosis .....	144	9
Psy 511, 512.....Interview. Tech. and Psychiatric Med. ....	72	4
PH 512, 513.....Epidemiology .....	72	4
Sur 610.....Introduction to Surgery .....	36	3
	1,224	64
<b>Third Year</b>		
Con 620.....Child Health .....	432	18
Con 621.....Neurosciences .....	216	9
Med 620.....Third-Year Medicine .....	432	18
DRad 620.....Radiographic Diagnosis .....	36	3
*Electives .....	216	9
	1332	57
<b>Fourth Year</b>		
Pth 630.....Clinical Pathological Conference .....	12	½

\* A list of elective courses will be available to every student.

	<i>Class Hours</i>	<i>Term Hours</i>
Pth 631..... Forensic Medicine .....	24	2
CP 630..... Clinical Pathology .....	12	1
Derm 630..... Dermatology Outpatient Clinic .....	36	1½
Med 631..... Medical Economics .....	12	1
Med 632..... Fourth-Year Medicine .....	324	15
ObG 631..... Fourth-Year Obstetrics and Gynecology..	234	9½
Eye 631..... Eye .....	12	1
Eye 630..... Fourth-Year Eye .....	72	3
Ent 630..... Fourth-Year Ear, Nose and Throat .....	72	3
Ped 630..... Fourth-Year Pediatrics .....	216	9
Sur 631..... Fourth-Year Surgery .....	360	16
	<hr/>	<hr/>
	1,386	62½

**Recapitulation**

First Year .....	1,117	54
Second Year .....	1,224	64
Third Year .....	1,332	57
Fourth Year .....	1,386	62½
	<hr/>	<hr/>
	5,059	237½

**Requirements for the Degree of Doctor of Medicine**

A candidate for the degree of Doctor of Medicine must complete satisfactorily the curriculum and all other requirements prescribed by the faculty of the Medical School. Members of the senior class are required to pass the Part II examination of the National Board of Medical Examiners which is given in April. Any student failing to pass this examination will be referred to the Review Board of the Medical School for re-evaluation of his status. All candidates for degrees are required to be present at the Commencement exercises to receive their diplomas in person. The Doctor of Medicine degree is conferred by the University of Oregon upon the recommendation of the faculty of the Medical School.

**Licensure**

Licensure to practice medicine in any state is conditioned upon the requirements of a state board of medical examiners. Licensure to practice medicine in the State of Oregon is dependent upon the candidate's having an M.D. degree, completing a one-year straight or rotating internship, possessing an Oregon Basic Science Certificate and passing the licensing examinations. For candidates who are already licensed to practice in another state, the licensing examination may be waived by reciprocity with that state, if such a reciprocal agreement is in force, or the candidate may base his application upon certification of the National Board of Medical Examiners. In some instances, the Oregon Basic Science Certificate may be obtained by reciprocity with another state or based upon Part I of the examination given by the National Board of Medical Examiners.

Further information about licensure requirements may be obtained from the Oregon State Board of Medical Examiners, 611 Failing Building, Portland 97204. The Board suggests that such inquiry be made no later than the second quarter of the internship year.

## CURRICULUM IN MEDICINE

Students are urged to take the Oregon basic science examination at the end of their sophomore year. This examination is given by the Basic Science Examining Committee of the Oregon State Board of Higher Education and is required for licensure in Oregon. Information concerning this examination may be obtained by writing to the Basic Science Examining Committee, Oregon State Board of Higher Education, Eugene 97403.

### *Course Numbering System*

Medical School courses are numbered in accordance with the uniform course-numbering system of the Oregon State System of Higher Education. This numbering system as it applies to the Medical School courses is as follows :

- 400-499 Upper-division courses primarily for first-year students in medicine but to which graduate students may be admitted on approval of the graduate advisor and department chairman concerned.
- 500-599 Courses primarily for graduate credit towards an advanced academic degree (M.S. or Ph.D.) but which may be elected by medical students for credit towards the M.D. degree with permission of the department chairman concerned.
- 600-699 Courses primarily for the medical curriculum but which can also be applied toward an advanced academic degree (M.S. or Ph.D.) with the permission of the graduate advisor and the Graduate Council. Required courses for second, third, and fourth years of the medical curriculum are designated by numbers 610-619, 620-629, and 630-649, respectively. Numbers 601, 605, 607, 609, and 650-699 are used for elective courses.

Certain numbers are reserved for courses that may be taken through successive terms under the same course number, credit being granted according to the amount of acceptable work done. These course numbers are as follows :

- 501 and 601 Research
- 503 Thesis
- 505 and 605 Reading and Conference
- 507 and 607 Seminar
- 609 Clinical Experience



# 4

## DESCRIPTION OF COURSES



DESCRIPTION  
OF COURSES

*Basic Sciences*

CONJOINT COURSES—  
BASIC MEDICAL SCIENCE

**Required Courses**

**First Year**

Con 410. **Cell Organization and Function.** 5 hours, fall and winter.

An integrated course emphasizing aspects of cellular structure, organization, metabolism, and function essential to an understanding of human biology in health and disease. General and special features of cell structure; biochemical and structural properties of membranes; biological transport processes; bioenergetics; mitochondrial metabolism; functions of intracellular membranous organelles; cytoplasmic metabolism of carbohydrates, lipids, amino acids, purines, pyrimidines; nuclear functions—DNA replication and transcription, protein synthesis, meiosis and mitosis; the life cycle of the cell. Lectures, laboratory and conferences. 99 hours.

Con 411. **Medical Genetics.** 2 hours winter.

Chromosomal basis of inheritance, chromosome structure and function, autosomal, X-linked and polygenic inheritance, population genetics, control of gene expression, mutation, genetic polymorphism, inborn errors of metabolism. Lectures, laboratory and conferences. 32 hours.

Con 412. **Developmental Biology.** 2 hours winter.

An introduction to current concepts of the processes involved in growth and development. The functional and chemical aspects of these processes are presented within the framework of morphologic development with emphasis on the mammalian organism whenever feasible. Lectures, quizzes and laboratory correlated and continuous with laboratory sessions in Cell Organization and Function and Medical Genetics. 40 hours.

Con 413. **Introduction to Patient Evaluation.** 4 hours spring.

A beginning course designed to introduce the student, in the setting of lectures, conferences and patient studies, to work with patients in the interview situation, and become familiar with the methods used in interviewing. The form, purpose and use of the medical history is reviewed along with consideration of the methods by which medical problems are solved. The pathophysiology and physical diagnosis of the eyes, ears, nose and throat is studied by means of lectures, practice sessions and conferences. The differences in approach to the examination and consideration of disease in infants and children completes the course. 66 hours.

Con 414. **Immunology.** 2 hours spring.

The major goal of this course is to introduce the medical student to the required semantics and terminology of immunological theory and to teach him an immunological approach to current and future medical problems. The student will learn how to investigate immunological events as they apply to human disease syndromes. Lectures, laboratory sessions and teaching seminars. 35 hours.

**Elective Courses**

Con 501. **Research.** Any term, hours to be arranged.

Con 505. **Reading and Conference.** Any term, hours to be arranged.

Con 507. **Seminar.** Any term, hours to be arranged.

## DEPARTMENT OF ANATOMY

▼ **Anthony A. Pearson**, Chairman of Department

*Professors:* **Robert L. Bacon**, **David L. Gunberg**, **Ellis B. Jump** (Dental School), **Anthony A. Pearson**, **William A. Stotler**

*Associate Professors:* **Robert Quinton-Cox** (Dental School), **Archie R. Tunturi**

*Assistant Professors:* **Reid S. Connell, Jr.**, **Howard W. Davis**

*Research Assistants:* **Laurie DeLorme**, **Ronald W. Sauter**

## Required Courses

### First Year

An 410. **Anatomy.** 20 hours, fall, winter and spring.

*Gross Anatomy:* Regional dissection of the human body. Each pair of students dissects the lateral half of the human body. The student is furnished with a loan collection of disarticulated bones for the study of osteology. Lectures and demonstrations will include surface, developmental and radiological anatomy. 144 hours fall term, 144 hours winter term.

*Applied Anatomy:* A series of lectures will be devoted to the clinical significance of anatomy. These lectures will be given by the clinical staff and will be programmed to correlate with gross anatomy. 12 hours fall term, 12 hours winter term.

*Histology and Organology:* Lectures, demonstrations and small group seminars concerned with the microscopic anatomy of the tissues and organs. Student loan sets of microscopic preparations and microscopes will be available for student use. 24 hours fall term, 24 hours winter term.

*Neurology and Organs of Special Senses:* Study of the structure and functions of the organs of special senses and of the central nervous system. This is accomplished by gross dissections and stained sections of the human brain, spinal cord, and organs of special senses. Pathological conditions illustrating lesions of the nervous system are demonstrated. 48 hours, spring term.

Lectures, demonstrations, laboratories, quizzes. 408 hours.

### Elective Courses

▼ An 416. **Microscopic Technique.** 2 hours spring.

The theory and practice of preparing animal tissue and histological study. Limited to 4 students, registration only after consultation with instructor. Laboratory, 6 hours a week: 72 hours.

An 501. **Research.** Any term, hours to be arranged.

An 505. **Reading and Conference.** Any term, hours to be arranged.

An 507. **Seminar.** Any term, hours to be arranged.

Journal Club.

History of Medicine.

An 512. **Analytical Embryology.** 4 hours spring.

Lectures and assigned readings on cytology and physiology of gametes, gamete transport, fertilization, cleavage and cell division, and on cell tissue and organ interaction in embryonic systems. The laboratory work is designed to introduce the advanced student to both classical and new techniques for the investigation of embryonic processes. Prerequisites: An 414, 415, BCh 411, 412, or equivalent. Lectures, 2 hours a week; laboratory, 6 hours a week: 96 hours.

An 513. **Analytical Histology.** 4 hours spring.

Lectures on the theory of fixation and staining, survey of physical and

## DESCRIPTION OF COURSES

- chemical techniques employed in modern histology. Practical experience with some of these techniques provided by laboratory exercises. Lectures and quizzes, 2 hours a week; laboratory, 6 hours a week: 96 hours. Prerequisites: An 415, 416, Bch 411, 412, or the equivalent. Limited to 10 students.
- An 514. **Special Dissections.** Terms and hours to be arranged.  
Human anatomical material dissected and certain parts of the body studied more thoroughly. Conferences and quizzes arranged with the instructor. Registration limited by available material. Prerequisite: An 411, 412, 413.
- An 515. **Advanced Neuroanatomy and Computer Techniques.** Any term, hours to be arranged.  
Neuroanatomy as an advanced quantitative science. Introduction to the use of the stationary time series, probability theory, and information theory in the investigation of the nervous system. Variables in the nervous system which can be measured, and statistical procedures on these variables. Methods for data acquisition and computer solution of problems.
- An 516. **Computers in Medicine.** Any term, hours to be arranged.  
An introduction to what a computer can do. The characteristics of the IBM 1410: uses of Fortran (formula translation) and Autocoder; elements of programming and examples of programs.
- An 517. **Embryology.** 4 hours spring.  
Lectures on the reproductive cycle, fertilization, normal and abnormal human development, correlated with detailed laboratory study of pig, mouse, and human embryos and fetuses. Primarily for graduate students. Lectures, 2 hours a week; laboratory, 6 hours a week: 96 hours. Limited to 10 students.
- An 518. **Mammalian and Human Cytogenetics.** 3 hours winter.  
Methods of chromosomal study; chromosomal structure; chromosomal function in meiosis and mitosis; genetic activity and inactivity; use of chromosomes in the study of genetics: gene mapping, sex determination; spontaneous and induced chromosome aberrations; chromosomal evolution. Student recitations will be required relating to special topics such as the X-chromosome, somatic cell genetics, chromosomal variation, and cytogenetic studies in leukemia.
- An 601. **Research.** Any term, hours to be arranged.
- An 605. **Reading and Conference.** Any term, hours to be arranged.
- An 607. **Seminar.** Any term, hours to be arranged.

## DEPARTMENT OF BIOCHEMISTRY

**Richard T. Jones**, Chairman of Department

*Professor Emeritus:* **Edward S. West**

*Professors:* **Jack H. Fellman, A. Wesley Horton, Richard T. Jones, George W. Kittinger** (Primate Center), **Michael Litt, Howard S. Mason, Oscar W. Portman** (Primate Center), **Demetrios A. Rigas\***, **Wilbert R. Todd, John T. Van Bruggen**

*Associate Professors:* **Clarissa H. Beatty** (Primate Center), **J. Peter Bentley, Dale D. Hoskins** (Primate Center), **Geoffrey V. F. Seaman**

*Assistant Professors:* **John A. Black, Rose Mary Bocek** (Primate Center), **Charles F. Howard, Jr.** (Primate Center), **David Kabat**

*Instructors:* **Thomas Fujita, Russell L. Jolley**

*Research Associates:* **June Boyett, Bernadine Brimhall, Marie Duerst, Albert**

\* Leave of absence September 1, 1970 to August 31, 1971.

Hanson, Marija Janko, Valdemar Koblir, Paul MacMahill, Bohumila Rokosova, Marie Vanneste, Walter Vanneste

*Research Assistants:* Leonard Evans, Pauline Gaskill, Charlotte Head, Kathryn Johnson, James Joyce, Carrol Platz, Jr., Esther Roth, Jean Scott

## Required Courses

### First Year

BCh 410. **Basic Biochemistry.** 3 hours fall.

Physical chemistry pertaining to biochemistry, particularly acid base, buffers and equilibrium reactions. Chemistry of macromolecules and their subunits including proteins, carbohydrates, nucleic acids and lipids. Introduction to enzymology. This course is the beginning of a series of courses in which biochemical topics will be taught on an integrated basis with other basic medical science subjects. Lectures, laboratory, and seminars. 66 hours.

### Elective Courses

BCh 501. **Biochemistry Research.** Any term, hours to be arranged.

BCh 505. **Reading and Conference.** Any term, hours to be arranged.

BCh 507. **Seminar.** Any term, hours to be arranged.

BCh 511. **Nucleic Acids and Protein Synthesis.** 2 hours, term to be arranged.

The biochemistry and biosynthesis of nucleic acids and proteins, and selected topics in the biochemistry of heredity, growth, aging and differentiation.

BCh 512. **Bioenergetics.** 2 hours, term to be arranged.

Principles of biological energy transduction. Respiratory biochemistry, biological oxidation-reduction and oxidative phosphorylation.

BCh 513. **Advanced Intermediary Metabolism and Nutrition.** 2 hours, term to be arranged.

Advanced aspects of the metabolism of lipids, sterols, carbohydrates, amino acids and proteins. The control of metabolism.

BCh 514. **Enzymology.** 3 hours, term to be arranged.

The physical and chemical properties of enzymes and the reactions they catalyze.

BCh 515. **Biophysical Chemistry.** 4 hours spring.

Physical principles underlying behavior of aqueous and membrane phases. Intermolecular forces, energy relationships, and structure in liquid and liquid crystalline phases. Thermodynamics of biological systems. Biophysical characterization of macromolecules. Physicochemical properties of molecular aggregates of lipids and lipoproteins. Composition and properties of membranes. Lectures and demonstrations. Prerequisites: 2 terms of physical chemistry

BCh 516. **Biochemical and Biophysical Techniques.** Hours and term to be arranged.

Selected laboratory exercises concerned with the preparation and characterization of substances of biochemical importance. Biophysical study of macromolecules and surface phenomena. Instrumentation theory and practice, including optical methods of analysis, electrokinetic techniques, and isotopic methods.

BCh 517. **Topics in Advanced Biophysical Chemistry.** Hours and term to be arranged.

Current concepts and theoretical foundations in selected topics of biophysical chemistry. Prerequisite: BCh 515.

## DESCRIPTION OF COURSES

- BCh 518. **Biochemical and Biophysical Properties of Proteins.** 4 hours, term to be arranged.  
Properties of proteins in solution, purification, criteria of purity, levels of protein structure, methods for characterization. Current concepts of protein evolution genetics, and relationship of structure to function.
- BCh 519. **Biochemical Mechanisms of Disease.** 2 hours, term to be arranged.  
Biochemical mechanisms underlying selected human diseases.
- BCh 520. **Structure and Function of Biological Membranes.** 2 hours, term to be arranged.  
The nature of membrane transport, muscle contraction, nerve conduction, and related processes.
- BCh 601. **Research.** Any term, hours to be arranged.
- BCh 605. **Reading and Conference.** Any term, hours to be arranged.
- BCh 607. **Seminar.** Any term, hours to be arranged.

## DIVISION OF EXPERIMENTAL BIOLOGY

**William Montagna**, Head of Division

*Professor:* **William Montagna**

*Associate Professors:* **Robert M. Brenner** (Primate Center), **Wolf H. Fahrenbach** (Primate Center)

*Assistant Professor:* **Mary Bell** (Primate Center)

*Research Associates:* **Hideo Nakagawa**, **Bohumila Rokosova**

*Research Assistants:* **Albert N. Hanson**, **Antonia M. Lammerts Van Bueren**

### Elective Courses

- EB 501. **Research.** Any term, hours to be arranged.
- EB 505. **Reading and Conference.** Any term, hours to be arranged.
- EB 507. **Seminar.** Any term, hours to be arranged.
- EB 510. **Biological Ultrastructure.** 2 hours, term to be arranged.  
A detailed presentation of the fine structure of cells, their organelles and inclusions with emphasis on the correlation of ultrastructural specialization and function. Lectures, 2 hours a week: 24 hours.
- EB 511. **Comparative Neuroendocrinology.** 2 hours, term to be arranged.  
A course in comparative endocrinology with emphasis on neuroendocrine control systems in both vertebrates and invertebrates. The various lines of physiological, biochemical and morphological evidence including electron microscopy which supports the neurohemal theory will be presented in detail. Metamorphosis in insects, ovulation in mammals, lactation in mammals and adrenocortical secretion in vertebrates will be covered.
- EB 512. **Connective Tissue.** 2 hours, term to be arranged.  
This course will cover the structure, function and metabolism of connective tissues in general. Their major constituents: collagen, elastin, and mucopolysaccharides, will be covered in detail. The structure of these constituents will be discussed at various levels of organization with emphasis placed upon their molecular architecture, cellular origin, biosynthetic mechanisms. Specialized areas, such as bone formation and mineralization, and wound healing will be analyzed also.
- EB 601. **Research.** Any term, hours to be arranged.
- EB 605. **Reading and Conference.** Any term, hours to be arranged.
- EB 607. **Seminar.** Any term, hours to be arranged.

## DIVISION OF MEDICAL GENETICS

**Robert D. Koler**, Head of Division

*Professors:* **Robert D. Koler, Michael Litt, Demetrios A. Rigas\***

*Associate Professors:* **Robert H. Bigley, Neil R. M. Buist, Frederick Hecht, Everett W. Lovrien**

*Assistant Professors:* **John A. Black, Gerald H. Prescott** (Dental School),  
**Joe W. Templeton**

*Instructor:* **William J. Kimberling**

*Clinical Instructor:* **Jean Macfarlane**

*Research Associates:* **Libuse Stankova, Patricia VanBellinghen**

*Research Assistants:* **Shirley Ditewig, Joanne Gruen, Sandra Hazard, Charlotte Head, Shirley Rowe, Zelma Stocklen, Herman Wyandt**

*Fellows:* **Nancy Kennaway, Ellen Magenis, Jacob Reiss, Raymond Stewart**

### Elective Courses

**MGen 501. Research.** Any term, hours to be arranged.

**MGen 505. Reading and Conference.** Any term, hours to be arranged.

**MGen 507. Seminar.** Any term, hours to be arranged.

**MGen 601. Research.** Any term, hours to be arranged.

**MGen 605. Reading and Conference.** Any term, hours to be arranged.

**MGen 607. Seminar.** Any term, hours to be arranged.

**MGen 609. Clinical Experience.** Any term, hours to be arranged.

**MGen 650. Human Genetics.** 2 hours spring.

Clinical presentation and lectures designed to introduce students to genetic mechanisms in human disease. Material covered will include mechanism of gene action, population genetics and chromosomal abnormalities resulting in clinical disease. Lectures and demonstrations. 1 hour a week: 12 hours. (For second-year students.)

## DEPARTMENT OF MEDICAL PSYCHOLOGY

**Joseph D. Matarazzo**, Chairman of Department

*Professors:* **Robert D. Boyd, F. Robert Brush, Robert D. Fitzgerald, Ann M. Garner, Robert W. Goy** (Primate Center), **Joseph D. Matarazzo, Ruth G. Matarazzo, Charles H. Phoenix** (Primate Center), **Jack A. Vernon, Arthur N. Wiens**

*Associate Professors:* **Bruce V. Butler, Constance Hanf, Norman Henderson, James E. Lindemann, David S. Phillips**

*Assistant Professors:* **Russell H. Jackson, Wallace D. Joslyn** (Primate Center),  
**James H. O'Brien, Leif G. Terdal**

*Lecturers:* **Stanley Abrams, Frank B. Strange**

*Residents:* **Katherine Anderson, George L. Lindenfeld, Mary Sue Seitz**

### Required Courses

#### First Year

**MPs 410. Medical Psychology.** 2 hours fall

Basic psychological and behavioral principles derived from laboratory research

\* Leave of absence, September 1, 1970 to August 31, 1971.

## DESCRIPTION OF COURSES

and their applications in clinical practice and research in medicine. Examined within the latter context are pre- and postnatal influences, early development, intellectual processes, learning and conditioning, anxiety and other motivational states, and influences associated with man as a social organism. Lectures, demonstrations, and laboratory. 49 hours.

### Third Year

See Con 620. Child Health.

### Elective Courses

MPs 501. **Research.** Any term, hours to be arranged.

MPs 505. **Reading and Conference.** Any term, hours to be arranged.

MPs 507. **Seminar.** Any term, hours to be arranged.

Neurophysiology of Motivation	Punishment
Neurophysiology of Learning	Learning and Motivation
Sensory Processes	Developmental Psychology
Psychopharmacology	Verbal Behavior
Hormones and Behavior	Social Psychology
Neurological Basis of Reproduction	Social Process Applications
Comparative Psychology	Individual Behavior Modification
Sensory Development	Abnormal Psychology
Human Learning	Quantitative Methods
Conditioning	Laboratory Methods
Cognitive Processes	Computer Methods

MPs 511. **Statistics.** 3 hours fall.

Statistical methods for scientific research: including scales of measurement; tests of significance; correlation and regression; analysis of variance and design of experiments; distribution-free techniques; Type I error, Type II error and Power.

MPs 512. **Research Design.** 3 hours winter.

Basic concepts of the linear model (including linear regression) and its application to the design and analysis of experiments. Topics covered include essentials of matrix algebra; bivariate and multivariate linear regression analysis; introduction to experimental design using repeated and non-repeated measures; the non-parametric model, introduction to univariate scaling theory. Prerequisite: MPs 511 or equivalent.

MPs 513. **Advanced Statistics.** 3 hours, term to be arranged.

Analysis of the foundations of measurement, quantitative methods, correlation and regression theory, factor analysis, basis of psychophysical methods, set theory, and special topics.

MPs 514. **Sensation and Perception.** 3 hours winter.

Review of the basic psychophysical and neurological mechanisms of audition, somatic senses, vision, olfaction, and gustation, followed by a survey of the major experimental and theoretical works in perception.

MPs 515. **Learning and Conditioning.** 3 hours fall.

A critical examination of evidence relating to basic learning phenomena in both classical and instrumental conditioning.

MPs 516. **Motivation.** 3 hours spring.

A critical examination of motivation as an explanatory construct in behavior theory together with a review of experiential and physiological determinants of motivational phenomena.

MPs 517. **History of Psychology.** 3 hours fall.

Examined are developments in the history of psychology necessary for an understanding of some of the main currents in contemporary psychology. Prominent ideas from structuralism, functionalism, associationism, early

behaviorism, gestalt psychology, psychoanalysis, and neo-behaviorism are analyzed and their relevance to modern ideas critically evaluated.

MPs 518. **Physiological Psychology.** 3 hours spring.

Survey of the basic literature in the field, with emphasis on the role of the central nervous system in behavior; fundamentals of neuroanatomy and neurophysiology basic to physiological psychology.

MPs 519. **Theories of Personality.** 3 hours spring.

Critical review of the major theories of personality, including current behavioral approaches, and empirical evidence supporting these theories.

MPs 520. **Individual Differences.** 3 hours winter.

Introduction to individual differences in humans, their distribution in the general population, and methods of measuring such differences in intelligence, personality, aptitudes, interests, and other traits; characteristics of good tests, and their uses and limitations.

MPs 521. **Theories of Learning.** 3 hours winter.

Analysis and comparison of the major theories of learning, covering their logical and systematic properties as well as their empirical foundations.

MPs 601. **Research.** Any term, hours to be arranged.

MPs 605. **Reading and Conference.** Any term, hours to be arranged.

MPs 607. **Seminar.** Any term, hours to be arranged.

MPs 609. **Clinical Experience.** Any term, hours to be arranged.

MPs 650. **Psychological Assessment in Medical Practice.** Any term, hours to be arranged.

Introduction to intellectual and personality assessment in medical practice. Theoretical foundations and uses and limitations of specific assessment procedures. Psychological tests and objective behavioral observation procedures that can be used by the physician in his office practice with implications for management.

## DEPARTMENT OF MICROBIOLOGY

**Arthur W. Frisch**, Chairman of Department

*Professors:* **Arthur W. Frisch\***, **Evelyn L. Oginsky**, **Lyle Veazie** (Parasitology)

*Associate Professors:* **Terence Joys**, **Arthur Malley** (Primate Center), **Ernest A. Meyer**, **Richard Parker** (Dental School), **Marvin B. Rittenberg**

*Assistant Professors:* **Denis Burger** (Veterans Hospital), **Barbara Iglewski**, **Wallace Iglewski**

*Assistant Clinical Professor:* **Thomas E. Frothingham**

*Instructor:* **Nancy B. Gerhardt**

### Required Courses

#### Second Year

MB 413, 414. **Medical Microbiology and Immunology.** 5 hours each term, fall and winter.

The material covered includes basic bacteriology, immunology, and pathogenic microbiology. Bacterial, viral, rickettsial, and fungal disease presented during

\* Leave of absence, December 1, 1969 to December 1, 1970.



## DESCRIPTION OF COURSES

the first 19 weeks. The last five weeks are devoted to the study of protozoal and helminthic parasites of man. Lectures and recitations, 3 hours a week each term; laboratory, 6 hours a week each term: 216 hours.

### Elective Courses

Mb 501. **Research.** Any term, hours to be arranged.

Mb 505. **Reading and Conference.** Any term, hours to be arranged.

Mb 507. **Seminar.** 1 hour any term.

Mb 508. **Advanced Virology.** 4 hours, term to be arranged.

Biochemical and biophysical nature of viruses, mechanisms of viral infection, enumeration and statistical interpretation of the infectious unit, virus, antibody reactions, biochemical consequences of infection, viral genetics, and interference phenomena. Lectures and laboratories. Open to a limited number of students with consent of instructor.

Mb 509. **Bacterial Physiology.** 4 hours, term to be arranged.

Cytochemistry and ultrastructure, patterns of growth, metabolic pathways of degradation and synthesis, energy mechanisms, genetic controls and the regulation, physiological mechanisms for environmental adaptation. Lectures and laboratories. Open to a limited number of students with consent of instructor.

Mb 510. **Microbial Genetics.** 4 hours, term to be arranged.

The molecular basis of heredity. The genetic control of biochemical activities in bacteria. Systems of recombination in bacteria, bacteriophage, actinomycetes, and fungi. The theory and practice of genetic mapping and fine structure analysis. Population genetics as applied to micro-organisms. Lecture and laboratories.

Mb 511. **Pathogenesis.** Term and hours to be arranged.

Study of selected areas of medical microbiology with emphasis on pathogenesis of infectious agents. Control of production and mode of action of virulent products: exotoxins, endotoxins, viral and Rickettsial toxins, hemolysins, leucocidins, nucleases, coagulases, kinases, etc. Inhibition of host cell macromolecular synthesis following virus infection and its relationship to cytopathic effect and viral virulence; inhibition of DNA, RNA and protein synthesis; induction of new tRNA's, activation of lysosomal enzymes; non-immune host factors involved in infection; the macrophage and its products, lysosomes and non-globulin serum components.

Mb 512. **Immunochemistry.** 4 hours, term to be arranged.

Chemical and physical nature of antigen, antibody, antigen-antibody complexes; physical and kinetic measurements of antigen-antibody interaction; current methods of antibody isolation, immunochemical techniques; quantitative precipitation, gel-diffusion, immunoelectrophoresis, ultracentrifugation, equilibrium dialysis, and column chromatography. Lectures and laboratories. Open to a limited number of students with consent of instructor. Prerequisites: elementary physical chemistry and biochemistry.

Mb 513. **Advanced Microbiology and Immunology.** Term and hours to be arranged.

Study of selected areas of microbiology with emphasis on contemporary concepts of the basic nature of microbial and host systems and their interactions. Open to a limited number of students with consent of instructor. Prerequisites: Mb 413, 414.

Mb 601. **Research.** Any term, hours to be arranged.

Mb 605. **Reading and Conference.** Any term, hours to be arranged.

Mb 607. **Seminar.** Any term, hours to be arranged.

## DEPARTMENT OF PATHOLOGY

**Richard D. Moore**, Chairman of Department

*Professor Emeritus*: **Frank R. Menne**

*Professors*: **George C. Buchan**, **Peter J. Dawson**, **Richard D. Moore**, **Nelson R. Niles**, **Norman H. Rickles** (Dental School), **Benjamin V. Siegel**, **William B. Westcott** (Dental School)

*Clinical Professor*: **Vinton D. Sneed**

*Associate Professors*: **Thelma N. Fisher**, **David Linder**, **Wilbur P. McNulty** (Primate Center), **James L. Palotay** (Primate Center), **Virginia Weimar**

*Associate Clinical Professors*: **Richard T. Gourley**, **Sheldon A. Jakokson**, **E. Colton Meek**, **Joseph E. Nohlgren**

*Assistant Professors*: **Robert E. Brooks**, **Howard W. Huntington** (Good Samaritan Hospital) **Glynn E. McArn\***, **James R. Orendurff** (Veterans Hospital)

*Assistant Clinical Professors*: **Clarence L. Chester**, **Terence H. Cochran**, **John W. Hoffman**, **Albert A. Oyama**, **John C. Smith II**, **Grier F. Starr**

*Instructors*: **Arden E. Evanger** (Veterans Hospital), **James deWitt Rankin** (Cytology)

*Clinical Instructor*: **Darwin C. Lehfeldt**

*Resident*: **Erwin Hesselberg**

## Required Courses

## First Year

**Path 410. General Pathology.** 3 hours spring.

This course is designed to introduce the student to the principles and concepts of disease. Broadly characterized, it is the study of the effects of injury on cells and tissue and their subsequent reaction. The topics considered will include: cellular injury, abnormal division and differentiation, disturbances in cellular metabolism, disturbances in circulation, inflammation and neoplasia. This will prepare the student for the detailed study of the functional and structural abnormalities to be covered in the System Pathophysiology course during the second year. The subject material will be presented in conferences, lectures and demonstrations with reinforcement and illustration by selected laboratory experiments. 66 hours.

## Second Year

**Path 511. General and Systemic Pathology.** 5 hours fall, 5 hours winter, 3 hours spring.

Fall: General principles of disease; study of prepared slides, supplemented by experiments and study of selected autopsies by all students; fresh and museum specimens; Kodachrome slides and Scopicon orientation. Winter and spring: continuation of the study of disease states of the various body systems. Fall: lectures and recitations, 3 hours a week; laboratory, 6 hours a week. Winter: lectures, 3 hours a week; laboratory, 6 hours a week. Spring: lectures, 2 hours a week; laboratory, 4 hours a week. 288 hours.

## Fourth Year

**Path 630. Clinical Pathological Conference.** ½ hour winter.

Discussions of the clinical and pathological features of selected cases. 1 hour a week. 12 hours.

\*leave of absence.

## DESCRIPTION OF COURSES

Pth 631. **Forensic Medicine.** 2 hours fall.

Lectures and demonstrations of medicolegal and allied subjects. 2 hours a week. 24 hours.

### Elective Courses

Pth 501. **Research.** Any term, hours to be arranged.

Pth 505. **Reading and Conference.** Any term, hours to be arranged.

Pth 507. **Seminar.** Any term, hours to be arranged.

Pth 516. **Advanced Systemic Pathology.** Any term, hours to be arranged.

Study of the detached pathology of one system.

Pth 517. **Advanced Pathological Histology.** Any term, hours to be arranged.

Systematic and inclusive study of the pathologic states affecting the circulatory system, illustrated by sections and gross materials.

Pth 518. **Special Pathology of Heart and Circulation.** Hours to be arranged.

Systematic and inclusive study of the pathologic states affecting the circulatory system, illustrated by sections and gross materials.

Pth 519. **Introduction to Electron Microscopy.** 2 hours fall.

An introductory course including illustrated lectures and demonstrations dealing with the electron microscope, its technical operations, and broad applications in biological studies and research. Offered alternate years.

Pth 520. **Principles and Techniques of Tissue Culture.** 2 hours fall.

Lectures, demonstrations, and conferences dealing with techniques of cell and tissue culture; designed to provide a background of general information on cultured cells and instruction in application of the method to problems in current areas of research in cell biology. Offered alternate years.

Pth 521. **Biology of Cancer.** 1 hour spring.

Lectures and discussions on the natural history of cancer, geographic and ethnologic aspects, tumor genetics, and etiologic concepts and mechanisms of carcinogenesis.

Pth 522. **Viral Oncology.** 2 hours, term to be arranged.

Systematic study of viruses in relation to cancer in animals and man. Biological aspects of tumor induction by viruses, intracellular and extracellular factors in neoplasia; biochemical and biophysical properties of tumor viruses.

Pth 523. **Biochemical Pathology.** 2 hours, term to be arranged.

This course deals with the biochemical abnormalities characteristic of selected examples of both genetic and nongenetic diseases. Particular emphasis is placed on the role of nucleic acids in the processes involved. A short series of introductory lectures reviews nucleic acid biochemistry and metabolism, and is followed by a group of lectures dealing with our current knowledge of biochemical abnormalities related to chromosomal diseases, blood proteins, urinary products, storage diseases, viral infections, neoplasia, irradiation, and aging.

Pth 524. **Special Research Problem in Experimental and Comparative Pathology.** Term and hours to be arranged.

The purpose of this course is to acquaint new graduate students with the research work of various departmental members. The student is assigned a specific research problem, working in the research laboratories of the staff members concerned.

Pth 525. **Modern Trends in Pathologic Biology.** 2 hours spring.

Recent progress in the study of inflammation and degeneration, necrosis, differentiation, and nucleic acid chemistry in disease states.

Pth 526. **Radiation Biology.** 2 hours, term to be arranged.

Lectures and demonstrations dealing with the nature of ionizing radiation, interactions with organic matter, methods of measurement, and biological effects. The major aim of the course is to emphasize mechanisms of radiation effects on molecules, cells, and organisms.

Pth 601. **Research.** Any term, hours to be arranged.

Pth 605. **Reading and Conference.** Any term, hours to be arranged.

Pth 607. **Seminar.** Any term, hours to be arranged.

Pth 651. **Anatomic Pathology.** Any term, hours to be arranged.

Participation by the student in the autopsy and surgical pathology services and in related departmental conferences. Stress is placed on the correlation of the clinical and pathologic findings.

## DIVISION OF NEUROPATHOLOGY

**George C. Buchan**, Head of Division

## DEPARTMENT OF PHARMACOLOGY

**William K. Riker**, Chairman of Department

*Professors:* **Norman A. David, Elton L. McCawley, William K. Riker**

*Associate Professors:* **John D. Gabourel, Ralph T. Tanz, Herbert A. Wendel**

*Assistant Professors:* **Robert E. Brummett, Hall Downes, Kaye E. Fox, David Gowing, George D. Olsen**

*Visiting Assistant Professors:* **Sergio Guerrero, Svorad Stolz**

### Required Courses

#### Second Year

Phc 511, 512. **Systematic Pharmacology.** 5 hours each term, winter and spring.

Lectures, small group conferences, selected laboratory experiments and demonstrations, and clinical conferences. The course is designed to provide the student with a basic understanding of the scientific principles of drug action. Following an extended introduction to the parameters of drug action (dose-effect relation, absorption, distribution, excretion and metabolism of drugs, genetic factors in drug responses, etc.) systemic and therapeutic categories of drugs are discussed, with major emphasis placed on prototype, clinically useful drugs. Lectures are correlated with the latest editions of the several most widely used textbooks of pharmacology. Classic experiments in pharmacology are performed by groups of students following prior demonstration of techniques and procedures. Several experiments are of the volunteer human-trial-of-drug types. Four laboratory sessions are devoted to clinical presentations dealing with case reports and therapeutic use of drugs in hospitalized and clinic patients. Prescription writing, pharmacy and toxicology are considered in both the lecture and laboratory work. Lectures, 4 hours a week each term; laboratory, 3 hours a week each term: 168 hours.

### Elective Courses

Phc 501. **Research.** Any term, hours to be arranged.

Students who are properly qualified and who can devote an adequate amount of time to the work are encouraged to pursue original investigations.

## DESCRIPTION OF COURSES

Phc 505. **Reading and Conference.** Any term, hours to be arranged.

General Principles of Pharmacology.  
Drug Metabolism.  
Molecular Pharmacology.  
Pharmacogenetics.  
Advanced Cardiovascular Pharmacology.  
Neuropharmacology.  
Clinical Pharmacology.

Phc 507. **Seminar.** 2 hours.

Phc 514. **Factors Modifying Drug Action.** 2 hours, term to be arranged.

Lectures on drug metabolism, distribution and excretion, drug protein interaction, pharmacogenetics, and drug allergy and idiosyncrasy. Prerequisite: Consent of instructor.

Phc 515. **Pharmacological Control of Biological Information Transfer.** 2 hours, term to be arranged.

Lectures on the basic mechanisms for nucleic acid and protein biosynthesis, mechanisms of repression and depression, and the effect of hormones and other drugs on these systems. Applications to chemotherapy will also be discussed. Prerequisite: Consent of instructor.

Phc 516. **Receptor Theory and Conformational Analysis.** 2 hours, term to be arranged.

Lectures on modern receptor theory, kinetics of drug receptor interactions, drug antagonism, allosteric receptor concept, and conformational analysis of receptor sites. Prerequisite: Consent of instructor.

Phc 601. **Research.** Any term, hours to be arranged.

Phc 605. **Reading and Conference.** Any term, hours to be arranged.

Phc 607. **Seminar.** Any term, hours to be arranged.

## DEPARTMENT OF PHYSIOLOGY

**John M. Brookhart**, Chairman of Department

*Professors:* **John M. Brookhart, Benjamin B. Ross**

*Associate Professors:* **J. Job Faber, Alfred J. Rampone, Robert E. Swanson, Joseph B. Trainer**

*Assistant Professors:* **Walter A. Petersen, John A. Resko** (Primate Center)

*Research Associate:* **Richard E. Talbott**

*Clinical Research Associates:* **J. David Bristow, Miles J. Edwards, Monte Greer, James Metcalfe, William A. Neill, George Porter, Patrick J. Reynolds** (Dental School)

*Research Assistants:* **Thomas J. Green, Lawrence R. Long**

### Required Courses

#### First Year

Phy 410. **Human Physiology.** 7 hours, winter and spring.

Lectures, laboratory exercises and conferences devoted to mammalian physiology, with special application to the human. Consideration given to the basic elements of effector control; basic information essential to the understanding of the functions of the respiratory, cardiovascular, and renal systems; discussion of gastrointestinal, liver and endocrine functions. Lectures and laboratory. 150 hours.

**Second Year****Phy 412. Human Physiology.** 6 hours fall.

Continuation of first year. Special attention given to the functional interrelationships between respiratory, cardiovascular, and renal systems. The general and special senses and the regional physiology of the central nervous systems discussed. Appropriate laboratory exercises and conferences related to lecture material. Lectures, 4 hours a week; laboratory, 6 hours a week: 120 hours.

**Elective Courses****Phy 501. Research.** Any term, hours to be arranged.

Prerequisites: To be determined by instructor.

**Phy 505. Reading and Conference.** Any term, hours to be arranged.

Prerequisites: To be determined by instructor.

**Phy 507. Seminar.** Any term, hours to be arranged.

Prerequisites: To be determined by instructor.

**Phy 515, 516. Physiological Instrumentation and Techniques.** 4 hours, terms to be arranged.

Lectures and laboratory work covering basic principles of measurements, transducers, physiological signals, signal processing and display, and applications to specific problems of physiological measurement. Basic lectures and laboratory work in electronics are included. Lectures and conferences, 2 hours a week; laboratory, 6 hours a week: 96 hours.

**Phy 517. Advanced Cardiovascular Physiology.** 4 hours, term to be arranged.

Emphasis of this course is on the physics of the cardiovascular system. Techniques of measurement and current views on cardiac performance, aortic and local blood flows, hydrostatic pressures, and the micro-circulation. Origin and conduction of heart sounds. Regulatory mechanisms. Conference, 2 hours a week; laboratory, 6 hours a week: 96 hours. Prerequisites: To be determined by instructor.

**Phy 518. Biological Transport Processes.** 4 hours, term to be arranged.

Topics include: Fick's law of diffusion; membrane effects (diffusion of ions through an electrical field, molecular sieving, carrier-mediated diffusion, active transport, osmosis through "leaky" membranes); irreversible thermodynamic treatment of diffusion processes. Pertinent examples from the literature on artificial membranes, frog skin, muscle capillaries, and the renal tubule. Reading from monographs and original literature. Conference, 3 hours a week; laboratory, 6-hour periods on alternate weeks: 72 hours. Prerequisites: To be determined by instructor.

**Phy 519. Advanced Neurophysiology.** 4 hours, term to be arranged.

A study of principles of investigation, observation and inference and an extensive review of depth of the integrative functions of the central nervous system. Conference, 2 hours a week; laboratory, 6 hours a week: 96 hours. Prerequisites: To be determined by instructor.

**Phy 520. Energy Exchange.** 3 hours, term to be arranged.

Intestinal absorption processes with emphasis on nutrient materials. Modern methods and techniques of investigation, dynamics of intestinal transport, the specialized functions of the gastrointestinal system in the assimilation of dietary nutrients. Conference, 2 hours a week; laboratory, 3 hours a week: 60 hours. Prerequisites: To be determined by instructor.

**Phy 521. Respiratory Gas Transport.** 3 hours term to be arranged.

Dynamics of transport of respiratory gases, with emphasis on graphical analysis of pulmonary and circulatory phases of transport. Ventilation-perfusion relationships, unsteady state, gas stores of the body, and exchange and equilibrium of inert gases. Conference, 2 hours a week; laboratory, 3 hours a week: 60 hours. Prerequisites: To be determined by instructor.

## DESCRIPTION OF COURSES

Phy 522. **Fetal and Neonatal Physiology.** 3 hours, spring term.

Special physiology of the *in utero* state and of the transition to an independent existence. Placental gas exchange; acid-base homeostasis; fetal and neonatal circulation, anoxia tolerance, thermal homeostasis, and renal functions. Conference, 2 hours a week; laboratory, 3 hours a week: 60 hours. Prerequisites: To be determined by instructor.

## *Clinical Sciences*

### CONJOINT COURSES—CLINICAL SCIENCE

#### Required Courses

##### Third Year

Con 620. **Child Health.** 18 hours.

An interdisciplinary course providing opportunity for the student to learn the fundamental concepts of child health as they relate to acute and chronic disease processes and the inter-relationships of the child, his family, school and community.

This course will be offered as a conjoint educational exercise by Pediatrics, Child Psychiatry, Medical Psychology, Public Health and Preventive Medicine and the Crippled Children's Division. Students will be provided with opportunities to examine a wide spectrum of patients and to interview their families and to participate as integral members of the medical care teams at Doernbecher Hospital and the Crippled Children's Division. They will pursue a continuity of care study which will necessitate involvement with the family, the community and social and medical agencies. Students will have experience in the newborn nurseries and the neonatal intensive care unit and will also have experience with normal children in a nursery school setting and with emotionally disturbed children.

Guidance will be provided by the staff during ward and field experiences and individual and group discussions will be provided as a regular part of the work. 12 weeks. Lectures 60 hours; ward work, clinic, conferences, seminars, hospital rounds and demonstrations. 432 hours.

Con 621. **Neurosciences.** 9 hours.

An interdisciplinary course to prepare the student to examine and detect disorders of the eye, ear and central nervous system. The student will be exposed to case material and instruction adequate to familiarize him with the pathogenesis of major diseases in these areas and to enable him to recognize early malfunctions in the systems. The course will be taught by the neurology, neurosurgery, ophthalmology, and otolaryngology sections in an integrated manner. 216 hours.

#### Elective Courses

Con 601. **Research.** Any term, hours to be arranged.

Con 605. **Reading and Conference.** Any term, hours to be arranged.

Con 607. **Seminar.** Any term, hours to be arranged.

Con 609. **Clinical Experience.** Any term, hours to be arranged.

Con 650. **Primary Physician.** Any term, hours to be arranged.

The student will be exposed to a model of family practice utilizing existing clinic and hospital facilities.

## DEPARTMENT OF ANESTHESIOLOGY

**Norman A. Bergman**, Chairman of Department

*Professors:* **Norman A. Bergman, Frederick P. Haugen**

*Associate Professor:* **David Gowing**

*Assistant Professors:* **Marvin L. Darsie, Jr.** (Veterans Hospital), **Roger L. Klein, Betty B. Thompson, Charles L. Waltemath**

*Instructors:* **Peter H. Erbguth, Homer C. Jones, Jr.** (Veterans Hospital)

*Clinical Instructors:* **John O. Branford, Donald P. Dobson, Clarence H. Hagmeier, James V. Harber, Marion E. Palmer, Bruce A. Peters, Paul E. Schaff**

*Residents:* **Katharine M. Gartner, John B. Hasbrook, Martina S. Leung, Franchot V. Love, Richard H. Otteman, Charles W. Poindexter, James H. Powell, Donald D. Preuss, William R. Rhoady, Edwin H. Sasaki, Robert E. Sotta**

### Elective Courses

Anes 601. **Research.** Any term, hours to be arranged.

Anes 605. **Reading and Conference.** Any term, hours to be arranged.

Anes 607. **Seminar.** Any term, hours to be arranged.

Anes 609. **Clinical Experience.** Any term, hours to be arranged.

## DEPARTMENT OF CLINICAL PATHOLOGY

**Tyra T. Hutchens**, Chairman of Department

*Professors:* **Clifford V. Allen** (Radioisotopes), **Tyra T. Hutchens**

*Clinical Professor:* **Richard Thompson**

*Associate Professors:* **Margaret E. Berroth, James L. Bramhall, Martha Hamilton, Victor C. Marquardt**

*Associate Clinical Professors:* **Homer H. Harris, James H. Lium**

*Assistant Professors:* **John P. Aitchison, Charles E. Gardner, James E. Haines, Abdel L. Rashad, J. Robert Swanson**

*Visiting Assistant Professor:* **Shinobu Tomita**

*Assistant Clinical Professors:* **Daniel M. Baer, William J. Brady, Eugene W. Landreth, Albert Oyama**

*Senior Instructors:* **Mary E. Baptist** (Medical Technology), **John D. Koontz**

*Instructors:* **Patricia A. Chadwick** (Medical Technology), **Rose M. Parker** (Medical Technology), **Marian S. Thomas** (Medical Technology), **James A. Wilkinson** (Medical Technology)

*Clinical Instructors:* **David J. Brown, Mary C. Campbell** (Medical Technology), **Archie Y. Hamilton**

*Residents:* **Erwin H. Hesselberg, G. Bruce Hopkins, Ronald N. Jones, David A. Maurer, Thomas J. McNamara, Christhart S. Schilbach, Kirtikant V. Sheth**



## DESCRIPTION OF COURSES

### Required Courses

#### Second Year

CP 511. **Introduction to Clinical Pathology.** 5 hours spring.

Lectures, demonstrations, and laboratory work dealing with the application of laboratory measurements to the practice of medicine. Lectures, 3 hours a week; laboratory, 6 hours a week: 108 hours.

#### Fourth Year

CP 630. **Clinical Pathology.** 1 hour spring.

Lectures and demonstrations dealing with recent developments in laboratory methods applicable to the practice of medicine. 1 hour a week: 12 hours.

### Elective Courses

CP 501. **Research.** Any term, hours to be arranged.

CP 505. **Reading and Conference.** Any term, hours to be arranged.

CP 507. **Seminar.** Any term, hours to be arranged.

CP 520. **Advanced Radioisotope Techniques.** Any term, hours to be arranged.

Conferences and demonstrations concerned with theory, methodology, and clinical interpretation of special radioisotope laboratory tests.

CP 521. **Advanced Radioisotope Laboratory.** Any term, hours to be arranged.

Laboratory experience with special radioisotope techniques and instrumentation.

CP 522. **Radioisotope Laboratory.** Any term, hours to be arranged.

Laboratory experience with instruments used in radioisotope work.

CP 601. **Research.** Any term, hours to be arranged.

CP 605. **Reading and Conference.** Any term, hours to be arranged.

CP 607. **Seminar.** Any term, hours to be arranged.

CP 609. **Clinical Experience.** Any term, hours to be arranged.

## DEPARTMENT OF DERMATOLOGY

**Walter C. Lobitz, Jr.,** Chairman of Department

*Professor Emeritus:* **Lyle B. Kingery**

*Professors:* **Richard L. Dobson, Funan Hu** (Primate Center), **Walter C. Lobitz, Jr., William Montagna** (Primate Center)

*Clinical Professors:* **Frederick A. J. Kingery, Leon F. Ray, Thomas S. Saunders, Sheldon A. Walker**

*Associate Professors:* **Kenji Adachi** (Primate Center), **Mary Bell** (Primate Center), **Luigi Giacometti** (Primate Center), **Paul F. Parakkal** (Primate Center)

*Associate Clinical Professors:* **Frank W. Crowe, Joyle Dahl, John Clifton Massar, Troy G. Rollins, Bernard F. Ryan, John M. Shaw, Charles W. Watkins**

*Assistant Professor:* **Frances Storrs**

*Assistant Clinical Professors:* **Gordon A. Caron, Bruce R. Chenoweth, Walter G. Larsen, Donald G. Moyer, Paul S. Russell**

*Clinical Instructors:* William F. Anderson, Conrad A. DeLateur, David C. Frisch, William J. Hemphill, Albert E. Larnier, Don D. Martin, Bruce H. Miller, Richard A. Romaine, Ralph R. Sullivan, Richard C. Wright

*Research Assistants:* Joyce Beeman, Mary Campbell, Marlene Delay, Ana Honeyman, Kathe Strangfeld

*Fellows:* Jerald F. Baker, Richard E. Hammon, Juan F. Honeyman, Norman W. Winkler

*Residents:* Thomas A. Holeman, Dennis D. Knutson, Curtice Martin, DeAnn Pappas, James E. Rasmussen, Leonard J. Swinyer, Daniel J. Trozak

## Required Course

### Fourth Year

Derm 630. **Dermatology Outpatient Clinic.** 1½ hours, one section each term. Utilization of outpatient material, clinical and microscopic diagnostic procedures; general therapy. 6 hours a week for 6 weeks: 36 hours.

### Elective Courses

Derm 601. **Research.** Any term, hours to be arranged.

Derm 605. **Reading and Conference.** Any term, hours to be arranged.

Derm 607. **Seminar.** Any term, hours to be arranged.

Derm 609. **Clinical Experience.** Any term, hours to be arranged.

## DIVISION OF FAMILY PRACTICE

**Laurel Case**, Head of Division

*Assistant Professor:* **Laurel Case**

*Clinical Instructors:* Stanley A. Boyd, Donald A. Boye, Charles K. Chapman, Robert I. Daugherty, Peter DeWitt, William A. Fisher, Bernard Harpole, Crittenden Huston, Alfred C. Hutchinson, Willis J. Irvine, Raymond E. Moore, Merle Pennington, William Pynch, Vernon L. Summers

## DEPARTMENT OF MEDICINE

**Howard P. Lewis**, Chairman of Department

*Professors Emeriti:* D. W. E. Baird, Isidor C. Brill, Blair Holcomb, Noble Wiley Jones, Merl L. Margason, Homer P. Ruth, William H. Sheldon

*Professors:* Michael D. Baird, John A. Benson, Jr., J. David Bristow, Conrad Carter, Miles J. Edwards, Monte A. Greer, Herbert E. Griswold, M. Roberts Grover, Jr., Hance F. Haney, Charles N. Holman, John B. Isom (Pediatrics) Donald G. Kassebaum, Robert D. Koler, Daniel H. Labby\*, Howard P. Lewis, James Metcalfe, Bernard Pirofsky, Leonard W. Ritzmann. (Veterans Hospital), Arthur J. Seaman, James T. Speros, Roy L. Swank, Joseph B. Trainer, John R. Walsh (Veterans Hospital)

*Clinical Professors:* Paul R. Burgner, Robert S. Dow, Huldrick Kammer, George B. Long, Frank Perlman, Edward E. Rosenbaum, Philip Selling, John E. Tuhy, Franklin J. Underwood, Sheldon A. Walker

*Associate Professors Emeriti:* **Aubrey M. Davis, Merle W. Moore**

\* Leave of absence, September 1, 1970 to August 31, 1971.

DESCRIPTION  
OF COURSES

*Associate Professors:* Richard E. Bailey, Robert H. Bigley, Quentin D. Clarkson, Robert D. Goldman, Frederick Hecht, John W. Kendall, Jr., Frank E. Kloster, Marion L. Krippaehne, Wilbur L. E. Larson (Good Samaritan Hospital), Michael Litt, Manuel R. Malinow (Primate Center), Robert E. Mass (Veterans Hospital)\*\*, Clifford S. Melnyk, Robert D. Michel, James F. Morris (Veterans Hospital), William A. Neill (Veterans Hospital), George A. Porter, Marvin B. Rittenberg (Microbiology), John Gordon Roth, R. Bradley Sack, Geoffrey V. F. Seaman (Experimental Neurology), Paul Shick (Veterans Hospital), Frederic W. Smith (Veterans Hospital), Janice R. Stevens

*Associate Clinical Professors:* Kurt W. Aumann, Samuel T. Beall, Arthur W. Berg, George A. Boylston, Robert L. Hare, William W. Hurst, Laurence MacDaniels, Raymond A. McMahon, Donald E. Olson, Otto C. Page, Leonard B. Rose, Marvin Schwartz, John W. Stephens, David K. Taylor, James MacD. Watson

*Assistant Professors:* Curtis C. Bell (Good Samaritan Hospital), William M. Bennett, John Boyett (Veterans Hospital), Reid S. Connell, Jr., Howard R. Dewey (Good Samaritan Hospital), Peggy Copple Ferry, Max A. Forse (Veterans Hospital), Peter J. Galante (Veterans Hospital), Robert Grimm (Good Samaritan Hospital), Helmut Haas (Veterans Hospital), Gordon D. Haynie (Veterans Hospital), John D. Hill (Primate Center), Curtis R. Holzgang, Howard Huntington (Good Samaritan Hospital), Robert Kim (Veterans Hospital), Edna L. Kremkau, Muriel D. Lezak (Veterans Hospital) (Medical Psychology), Louis Lino (Neurochemistry), Henry A. B. Lundh (Veterans Hospital), Charles J. Zerzan, Jr., Lawrence S. Zivin

*Assistant Clinical Professors:* William S. Beck, Philip E. Blatt, Orville W. Boicourt, Michael T. H. Brodeur, Charles W. Coffen, Rodney L. Crislip, Leland L. Cross, John R. Flanery, Donald E. Forster, William P. Galen, Marvin C. Goldman, Leonard M. Goldberg, Morton J. Goodman, Marcus M. Horenstein, Jay C. Hoyt, Richard H. Kosterlitz, Lewis J. Kra-kauer, John J. Krygier, Walter J. Kuhl, Aarne J. Lindgren, Ernest T. Livingstone, Guy R. McCutchan, Roy R. Matteri, Gordon L. Maurice, Norbert Medved, Walter E. Meihoff, Thomas E. Morris, John D. O'Hollaren, Joseph F. Paquet, Roy A. Payne, Heyes Peterson, Ralph B. Reaume, James A. Riley, Robert E. Rinehart, George M. Robins, Wayne R. Rogers, William C. Scott, Herbert Semler, Ralph E. Shambaugh, John L. Soelling, Donald W. Sutherland, William J. Swett, John B. Wild, Charles P. Wilson

*Senior Instructor:* Russel L. Baker (Good Samaritan Hospital)

*Senior Clinical Instructors:* John A. Blanchard, William Cohen, Leo J. Freiermuth, Robert H. Gray, Waldo E. Hams, Thomas M. Haun, Thomas S. Healy, Wesley R. Jacobs, Paul O. Kretschmar, Walter G. Larsen, T. David Lee, Jr., Robert G. McKillop, John W. Partridge, Robert G. Pittenger, Ervin F. Rumbaugh, Will C. Senders, Donald N. Wysham

*Instructors:* George S. Barton (Good Samaritan Hospital), Clifford A. Fratzke, Jack H. Hutchinson, Laurence Mills (Good Samaritan Hospital), Donald Rushmer (Good Samaritan Hospital), John A. Schriver

*Clinical Instructors:* Alan W. Ames, Cameron C. Bangs, J. Bruce Bell, Jeanne Boucher-Leif, Donald B. Bowman, Larry T. Brice, Rosemary E. Brodie, Melicca L. Buchan, Jack L. Chitty, Eric W. S. Craig, H. Lenox Dick, Richard B. Dobrow, Gordon L. Doty, Richard F. Drake, William E. Drips, Jr., Harold P. Dygert, Jr., Donald G. Edwards, John H. Ellison, Eldon L. Erickson, Joseph H. Eusterman, William B. Evans, Stanton L. Freidberg, P. Rocca Garofalo, James B. Gillick, John J. Greve, Paul Q. Hull, Peter B. Hutchinson, Joseph A. Intile, Rocquelyn M. Jastak, Foster Eldon L. Erickson, Joseph H. Eusterman, William B. Evans, Stanton L.

Levine, James L. Mack, Stephen W. Maks, Leonora B. Manzano-Dantas, Charles L. Martinson, Harry W. Masenhimer, Frank McBarron, William H. McCarthy, S. Spence Meighan, Ruth L. Mercer (Dietetics), Fred C. Nachtigal, Donald Roy Olson, William R. Olson, Edwin G. Palmrose, Carl A. Petterson, Charles T. Pinney, Jerome Reich, Philip J. Reilly, Gerald R. Reimer, David W. Rich, William E. Robertson, Donald T. Romanaggi, David R. Rullman, Marianne Sanders, James R. Schimshock, Kent Ronald Smith, Roger G. Smith, George V. Squires, Roy Glenn Snodgrass, Henry E. Storino, Esther A. Strom, Donald E. Tatum, Frank D. Thomas, Robert Thune, Hugo Uhland, Albert F. C. Vervloet, Marvin J. Weinstein, Robert D. Wilson, Gordon F. Wolfe, James V. Woodworth

*Residents:* Phyllis B. Church, Theofilus De Bruin, Jay R. Dykstra, David M. Hennes, Kevin R. Lake, Franklyn M. Millman, William C. Owens, Dick L. Robbins, Kathleen A. Weaver, Arthur F. Zbinden

*Assistant Residents:* Grover C. Bagby, Jr., John R. Burg, Henry De Mots, Mark T. Hattenhauer, Bernard Hilberman, Michael L. Hinnen, William D. Jones, Ronald M. Katon, Richard D. Raines, Donald A. Roberts, David N. Sim, Gordon A. Wong

*Junior Assistant Residents:* Gerald L. Arthur, Howard W. Baumann, Bruce D. Carlson, Noel Curry, Patrick P. Desmond, Jr., George M. Douglass, Robert J. Foster, Michael N. Hartnett, Michael C. Huntington, Gary Jacobsen, James M. Johnson, Emmet B. Keeffe, Benjamin W. Lei, Clifford T. Lewis, Brian T. Paaso, Roger W. Steinbrenner

## DIVISION OF CARDIOLOGY

**Herbert E. Griswold**, Head of Division

*Professors Emeriti:* Isidor C. Brill, Homer P. Rush

*Professors:* J. David Bristow, Herbert E. Griswold, Hance F. Haney, Donald G. Kassebaum, James Metcalfe\*, Leonard W. Ritzmann (Veterans Hospital)

*Clinical Professor:* Franklin J. Underwood

*Associate Professor Emeritus:* Aubrey M. Davis

*Associate Professors:* Manuel R. Malinow (Primate Center), Frank E. Kloster, William A. Neill (Veterans Hospital)

*Associate Clinical Professors:* William W. Hurst, Leonard B. Rose, Marvin Schwartz

*Assistant Professor:* Edna Kremkau

*Assistant Clinical Professors:* Orville W. Boicourt, Michael T. H. Brodeur, Charles W. Coffen, Rodney L. Crislip, William P. Galen, Leonard M. Goldberg, Gordon L. Maurice, Ralph B. Reaume, James A. Riley, Wayne R. Rogers, Herbert Semler, Donald W. Sutherland, William J. Swett, John B. Wild

*Instructor:* Jack H. Hutchinson

*Senior Clinical Instructors:* Waldo E. Harris, Wesley R. Jacobs, T. David Lee, Jr., Irvin F. Rumbaugh, Donald N. Wysham

*Clinical Instructors:* Alan W. Ames, Stanton L. Friedberg

*Fellows:* John Antonovic, Donald A. Duncan, Arthur Dodek (Veterans Hospital), Jerold A. Hawn, George S. Rhyneer, Thomas Russell, II

## SECTION OF RENOLOGY

**George A. Porter**, Chief of Section

\* Oregon Heart Association Chair of Cardiovascular Research.

## DESCRIPTION OF COURSES

*Associate Professor:* **George A. Porter**

*Assistant Professors:* **William M. Bennett, Gordon D. Haynie** (Veterans Hospital), **Henrik A. B. Lundh** (Veterans Hospital)

*Clinical Instructors:* **Richard F. Drake, Charles L. Martinson, Donald Roy Olson, Frank D. Thomas**

*Clinical Fellow:* **W. Mark Wheeler III**

### DIVISION OF CHEST DISEASES

**Miles J. Edwards**, Head of Division

*Professors:* **Miles J. Edwards, James T. Speros**

*Clinical Professor:* **John E. Tuhy**

*Associate Professors:* **Robert D. Michel, James F. Morris** (Veterans Hospital)

*Associate Clinical Professor:* **Donald E. Olson**

*Assistant Professors:* **Max A. Forse** (Veterans Hospital), **Peter J. Galante** (Veterans Hospital), **Helmut Haas** (Veterans Hospital)

*Clinical Instructors:* **John J. Greve, James L. Mack, Charles T. Pinney, Jerome Reich, Albert Vervloet**

*Research Associate:* **Belle Cannon**

*Research Assistant:* **Joan Albertson**

### DIVISION OF DIABETES AND METABOLISM

**Daniel H. Labby**, Head of Division

*Professor:* **Daniel H. Labby\***

*Associate Professor:* **Richard E. Bailey**

*Associate Clinical Professors:* **Robert L. Hare, Otto C. Page, John W. Stephens**

*Assistant Clinical Professor:* **Marcus M. Horenstein**

*Senior Clinical Instructor:* **Robert G. McKillop**

*Clinical Instructor:* **Eldon L. Erickson**

*Fellow:* **Albert Castro**

*Research Associates:* **Frantisek Bartos, Dagmar Bartosova**

*Research Assistants:* **Rosanne Kramer, Dorothy Macfarlane**

### DIVISION OF ENDOCRINOLOGY

**Monte A. Greer**, Head of Division

*Professor:* **Monte A. Greer**

*Clinical Professor:* **Huldrick Kammer**

*Associate Professor:* **John W. Kendall, Jr.**

*Associate Clinical Professor:* **Kurt W. Aumann**

*Assistant Clinical Professors:* **Philip E. Blatt, Walter J. Kuhl, Ernest T. Livingstone**

*Clinical Instructors:* **Larry T. Brice, Rocquelyn M. Jastak**

*Research Fellows:* **David Cook, Isao Kobayashi, Lesley Rees**

*Research Assistants:* **Catherine Allen, Jeanne Carol DeBernardi**

DIVISION OF GASTROENTEROLOGY

**John A. Benson, Jr.**, Head of Division

*Professor:* **John A. Benson, Jr.**

*Clinical Professor:* **George B. Long**

*Associate Professors:* **Clifford S. Melnyk, Paul Shick** (Veterans Hospital),  
**Frederic W. Smith** (Veterans Hospital)

*Associate Clinical Professor:* **George A. Boylston**

*Assistant Professor:* **Charles J. Zerzan, Jr.**

*Assistant Clinical Professors:* **Marvin C. Goldman, Lewis I. Krakauer, Norbert E. Medved, Walter E. Meihoff, Heyes Peterson, John L. Soelling**

*Senior Clinical Instructors:* **Leo J. Freiermuth, Thomas M. Haun, Thomas S. Healy**

*Clinical Instructors:* **Donald G. Edwards, John H. Ellison, William B. Evans**

*Research Assistant:* **Jeanne Carol DeBernardi**

DIVISION OF HEMATOLOGY

**Arthur J. Seaman**, Head of Division

*Professors:* **Robert D. Koler, Bernard Pirofsky, Arthur J. Seaman, John R. Walsh** (Veterans Hospital)

*Associate Professors:* **Robert H. Bigley, Robert D. Goldman, Robert E. Mass** (Veterans Hospital)\*

*Assistant Professor:* **John Boyett** (Veterans Hospital)

*Senior Clinical Instructor:* **Robert Pittenger**

*Clinical Instructors:* **Richard B. Dobrow, Gordon L. Doty, David D. Kliewer, David R. Rullman**

*Research Assistants:* **Inez Brownlee, Bonita Huebner, Charlotte Moffat**

*Clinical Fellows:* **Theodore A. Walters, William Lawler**

*Fellows:* **Ignacio Mariscal, Yuki Tazawa**

DIVISION OF IMMUNOLOGY AND ALLERGY

**Bernard Pirofsky**, Head of Division

*Professor:* **Bernard Pirofsky**

*Clinical Professors:* **Frank Perlman, Philip Selling**

*Associate Professor Emeritus:* **Merle W. Moore**

*Associate Professor:* **Marvin B. Rittenberg** (Microbiology)

*Assistant Professor:* **Curtis R. Holzgang**

*Assistant Clinical Professors:* **Richard H. Kosterlitz, Roy R. Matteri, John D. O'Hollaren, George M. Robins**

*Clinical Instructors:* **Fred C. Nachtigal, Donald T. Romanaggi, George V. Squire, Robert D. Wilson, Gordon F. Wolfe**

*Research Assistants:* **Anne August, Gordon Davies, Katherine Pratt, Barbara Straub**

*Clinical Fellow:* **Franklyn M. Millman**

*Research Fellow:* **Carlos Ramirez-Mateos**

\* Leave of absence.

## DESCRIPTION OF COURSES

### DIVISION OF INFECTIOUS DISEASE

**R. Bradley Sack**, Head of Division

*Associate Professor:* **R. Bradley Sack**

*Assistant Professors:* **Michael J. Miller** (Pediatrics), **Abdel Rashad** (Clinical Pathology)

### DIVISION OF NEUROLOGY

**Roy L. Swank**, Head of Division

*Professor Emeritus:* **Merl L. Margason**

*Professors:* **C. Conrad Carter**, **Robert S. Dow** (Good Samaritan Hospital), **Roy L. Swank**

*Associate Professors:* **Quentin D. Clarkson**, **John B. Isom** (Pediatrics), **John Gordon Roth**, **Geoffrey V. F. Seaman** (Experimental Neurology), **Janice R. Stevens**

*Associate Clinical Professors:* **Wilbur L. E. Larson** (Good Samaritan Hospital), **James MacD. Watson**

*Assistant Professors:* **Curtis C. Bell** (Good Samaritan Hospital), **Reid S. Connell, Jr.**, **Howard R. Dewey** (Good Samaritan Hospital), **Peggy Cople Ferry** (Pediatrics), **Robert Grimm** (Good Samaritan Hospital), **Howard Huntington** (Good Samaritan Hospital), **Robert Kim** (Veterans Hospital), **Louis Lino** (Experimental Neurology), **Muriel D. Lezak** (Veterans Hospital) (Medical Psychology), **Lawrence S. Zivin**

*Assistant Clinical Professor:* **Leland L. Cross** (Rehabilitation)

*Senior Instructor:* **Russel L. Baker** (Good Samaritan Hospital)

*Instructors:* **George S. Barton** (Good Samaritan Hospital), **Eberhard Gloekler** (Good Samaritan Hospital), **Lawrence Mills** (Good Samaritan Hospital), **Donald Rushmer** (Good Samaritan Hospital)

*Clinical Instructors:* **J. Bruce Bell**, **Jeanne Boucher-Leif**, **Rosemary E. Brodie**, **H. Lenox Dick**, **P. Rocca Garofalo**, **Jonathan Levine**, **Philip J. Reilly**, **Gerald R. Reimer**, **David W. Rich**, **James R. Schimshock** (Veterans Hospital), **Roy Glenn Snodgrass**, **Henry E. Storino**

*Research Associates:* **Aagot Grimsgaard**, **Lavelle Jackson**, **Tadashi Kawasaki** (Good Samaritan Hospital)

*Research Assistants:* **Baerbel Hagenberg**, **Matthias Kimeny**, **Richard Kluempke**

*Residents:* **John P. Allen**, **Bhisit Bhothiadisuankul**, **Carl Bisgard**, **Vito Del Deo**, **Patricia Fahrney**, **Sundar Lal Goel**, **Marshall Gollub**, **John Melson**, **Richard H. Olmscheid**, **Sundarem Saty**, **Mary Ellen Stanger**, **Luther Stumme**, **Rudolph Taubner**, **Jacob Wilson**

*Research Fellows:* **Donald E. Brooks**, **Ernest Lane**

### DIVISION OF RHEUMATOLOGY

**Edward E. Rosenbaum**, Acting Head of Division

*Clinical Professor:* **Edward E. Rosenbaum**

*Associate Clinical Professor:* **David K. Taylor**

*Assistant Clinical Professor:* **Robert E. Rinehart**

*Senior Clinical Instructor:* **Paul O. Kretschmar**

*Clinical Instructors:* **John R. Ladd**, **Esther A. Strom**

**Internal Medicine—Required Courses**

**Second Year**

Med 612. **Physical Diagnosis.** 3 hours each term, fall, winter, and spring.

Systematic lectures, demonstrations, practice sessions and ward rounds dealing with the principles of history taking, physical examination, and the pathophysiological basis for physical signs. Lectures, 2 hours a week each term; demonstrations, 2 hours a week each term: 144 hours.

**Third Year**

Med 620. **Third-Year Medicine.** 18 hours.

Third-year medicine introduces the student to the study of the broad field of internal medicine by means of hospital clerkship work and conference sessions. Hospital clerkship provides opportunity for the intensive study of patients with medical diseases, and active participation, under supervision, in ward rounds, and all other exercises and procedures connected with medical ward activity. Particular emphasis is given to the development of skill in history taking, physical examination, and differential diagnosis. Night duty on a rotational basis is required. The conference sessions deal with basic concepts relating to a broad range of medical disorders, and discussions of reading in the field of internal medicine.

The student attends Medical Staff Conferences, staff rounds, a Medicine mortality conference, and a one-hour Dermatology Clerkship. Conferences 7½ hours a week for twelve weeks. Clerkships 28½ hours a week for twelve weeks. 432 hours.

**Fourth Year**

Med 631. **Medical Economics.** 1 hour.

A series of lectures concerning the economic, sociological, legal and other problems connected with the practice of medicine. Lectures, 1 hour a week: 12 hours.

Med 632. **Fourth-Year Medicine.** 14 hours, one section each term.

Students continue their study of patients in the broad field of internal medicine in the setting of the Outpatient Clinic, where under the supervision of the staff, they apply the knowledge gained in the third year to the study and care of clinic patients.

Part of the time is spent in the General Internal Medicine Outpatient Clinic, the remainder in clinics of the subspecialty divisions of internal medicine, and in electives. The student spends two hours a week for six weeks in each of the following subspecialty clinics: Immunology and Allergy; Infectious Diseases; Cardiovascular-Renal Chest Diseases; Diabetes and Metabolism; Endocrinology; Gastroenterology; Hematology; Neurology; Rheumatology and Tuberculosis.

Students spend a six-week period in the Dermatology Outpatient Clinic and attend three one-hour student-directed conferences on selected medical topics each week.

Student-directed medical conference, 1 hour three times a week for 12 weeks. General Internal Medicine Outpatient Clinic, 15 hours a week for 6 weeks; 9 hours a week for 6 weeks. (In addition, each student spends 6 hours a week for 6 weeks in Derm 630, Dermatology Outpatient Clinic.) Subspecialty clinics, 10 hours a week. 336 hours.

**Internal Medicine—Elective Courses**

Med 501. **Research.** Any term, hours to be arranged.



## DESCRIPTION OF COURSES

Med 505. **Reading and Conference.** Any term, hours to be arranged.

Med 507. **Seminar.** Any term, hours to be arranged.

Med 601. **Research.** Any term, hours to be arranged.

Students may elect to conduct research in the various divisions of medicine by arrangement with the head of the division.

Med 605. **Reading and Conference.** Any term, hours to be arranged.

Med 607. **Seminar in Medicine.** Any term, hours to be arranged.

Med 609. **Clinical Experience.** Any term, hours to be arranged.

Med 681, 682. **Premarital and Marital Counseling in Medical Practice and the Medical Problems of Sexuality.** 1 hour, winter and spring.

Lectures and discussions on the psychophysiological background of human sexuality and the medical and ethical problems encountered in this area of medical practice. 1 hour a week: 24 hours.

Med 691. **Electrocardiography.** 1 hour, any term.

Conferences, demonstrations and laboratory exercises devoted to the techniques, physiological basis and interpretation of electrocardiography and vectorcardiography. Limited to students on the Medicine block. 2 hours a week for 12 weeks: 24 hours.

Med 692. **Ward Rounds in Endocrinology.** 1 hour, any term.

Examination and discussion of hospitalized patients with endocrine disease in Multnomah Hospital and Medical School Hospital. Limited to 6 students. 2 hours a week for 12 weeks: 24 hours.

Med 694. **Fluid Electrolytes and Acid Base Regulation.** 1 hour.

Intensive study of selected problems in fluid and electrolyte management in the Multnomah and Medical School Hospitals. Students work in pairs and study assigned patients. Conferences and discussions on rounds concerning the diagnosis, treatment, and basic mechanisms of these disorders in patients. Patient study 2 hours a week at any convenient time; rounds 2 hours a week: 48 hours.

Med 695. **Fundamental Aspects of Disease.** 1 hour winter.

Lectures and discussions presenting concepts of disease that have developed from advances in basic and clinical research; principles upon which contemporary research in medical science is based; discussions of current investigation of major disease processes. This course is conducted jointly by the Departments of Medicine and Biochemistry. 1 hour a week: 12 hours.

Med 696. **Special Case Studies in Medicine.** Any term, hours to be arranged.

Students may elect to make detailed studies and reports of selected cases in the fields of cardiovascular, pulmonary, endocrinological and metabolic diseases.

Med 697. **Hematological Cell Identification.** ½ hour any term.

Students are taught cell identification by actual study of slides under supervision. Maximum of 5 students for three weekly sessions. Given four times each term. 1 hour a week for 3 weeks: 3 hours.

Med 698. **Case Conference.** 1 hour any term.

Analysis of selected case material utilizing new and selected techniques in the study of pulmonary disease. 2 hours a week: 24 hours.

### Required Courses

#### Third Year

See Con 621 **Neurosciences.**

## Elective Courses

- Neu 691. **Neurology Conference.** 1 hour any term.  
Combined conference including neurology, neurosurgery, neuro-ophthalmology, and neuroradiology. Limited to 10 students. 2 hours a week: 24 hours.
- Neu 692. **Experimental Neurology.** Any term, hours to be arranged.  
Research techniques in neurology, neurochemistry, and electroencephalography. Open to third- and fourth-year students.
- Neu 693. **Clinical Clerkship in Advanced Neurology.** 1 hour any term.  
Selected neurological cases studied and presented for discussion. Participation in combined neurological, neuroradiological and neurosurgical conferences. Selected studies in clinical neurology or in electroencephalography.
- Neu 601. **Research.** Any term, hours to be arranged.
- Neu 605. **Reading and Conference.** Any term, hours to be arranged.
- Neu 607. **Seminar.** Any term, hours to be arranged.
- Neu 609. **Clinical Experience.** Any term, hours to be arranged.

## DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

**Ralph C. Benson**, Chairman of Department

*Professors:* **Ralph C. Benson, Raphael B. Durfee**

*Clinical Professor:* **Howard C. Stearns**

*Associate Professors:* **John de Maria, Adam W. Lis**

*Associate Clinical Professors:* **Melvin W. Breese, Clifford Fearl, Gunnar E. C. Nelson, Duncan R. Neilson, William M. Wilson**

*Assistant Professors:* **Burritt W. Newton, Miles J. Novy (Primate Center), Martin Pernoll**

*Assistant Clinical Professors:* **Theodore M. Bischoff, Roderick C. Blatchford, Richard N. Bolton, James W. Fergus, Richard W. Franklin, W. Ronald Frazier, Malcolm E. Fuller, Remy W. Fulsher, David W. James, Gerald E. Kinzel, George H. Lage, Alfred N. Marshall, Joseph C. Mitchell, Max H. Parrott, Jesse L. Ray, William O. Thomas**

*Clinical Instructors:* **Bennett I. Alberts, Phillip S. Alberts, Richard Allen, John E. Cleland, Ronald H. Copeland, Raymond S. Corwin, James E. Dahlman, Betty Jo Davenport, Enrique M. DeCastro, Robert P. Dough-ton, Thomas K. Griffith, Mark R. Hanschka, George S. Hara, Curtis J. Hendricks, William W. Hicks, Jr., John C. Krauss, Ivan I. Langley, Harry A. Lee, Peter H. R. Roberts, Quinten Scherman, John W. Tarnasky, Thomas L. Thornton, Peter A. Tyerman, Glenn H. Weyhrich, Earl R. Williams**

*Residents:* **Michael M. Axman, Daniel F. Brown, Thomas E. Brugger, Wil-liam Y. Burton, Jr., Roger W. Carnes, Ronald E. Carver, James A. Cross, John A. Enbom, Garron R. Hale, Jörg Hecker, Herschel Law-son, George H. Rice, Bryan D. Thom**

*Research Assistant:* **Marilyn Bowen**

## Required Courses

### Fourth Year

ObG 631. **Fourth-Year Obstetrics and Gynecology.** 9½ hours, one section each term.

Fourth-year students study obstetrics and gynecology by means of hospital

## DESCRIPTION OF COURSES

clerkships, attendance and participation in deliveries, and work in the gynecology tumor clinic.

Obstetrical cases in the hospital examined and followed; active participation in ward rounds and teaching conferences. Each student must observe 12 deliveries, participate in at least 6 deliveries, and follow the course of the mother and child during an assigned period. Students also examine and follow assigned gynecological hospital patients and participate in ward rounds and conferences. Attendance at gynecology tumor outpatient clinic and therapy conference once weekly is required.

Obstetrics and Gynecology Clerkship, 33 hours a week for 6 weeks, in sections: 198 hours. Gynecology Tumor Clinic, 4 hours a week for 6 weeks in sections: 24 hours. General Clinical Conference, 2 hours a week for 6 weeks: 12 hours. 234 hours.

### Elective Courses

ObG 601. **Research.** Any term, hours to be arranged.

ObG 605. **Reading and Conference.** Any term, hours to be arranged.

ObG 607. **Obstetrics Seminar.** Any term, hours to be arranged.

ObG 609. **Clinical Experience.** Any term, hours to be arranged.

ObG 650. **Fetal Neonatal Death Conference.** ½ hour, any term.

## DEPARTMENT OF OPHTHALMOLOGY

**Kenneth C. Swan**, Chairman of Department

*Professor Emeritus:* **E. Merle Taylor**

*Professor:* **Kenneth C. Swan**

*Clinical Professor:* **Lester T. Jones**

*Associate Professors:* **Robert P. Burns, Leonard Christensen, Virginia L. Weimar**

*Associate Clinical Professors:* **John P. Keizer, Edward N. McLean, Thomas E. Talbot, Robert W. Zeller**

*Assistant Professor:* **Sam L. Meyer**

*Assistant Clinical Professors:* **Paul F. Bailey, W. Leigh Campbell, Robert C. Cowger, Walter R. Enders, Robert E. Fischer, Robert V. Hill, Richard A. Lalli**

*Senior Clinical Instructors:* **Robert H. Bedrossian, Robert F. Haney, Jr., Alfred J. Kreft, Richard E. Markley, Robert N. Page, Jr., K. Nolan Tanner, Gerald A. Terman**

*Clinical Instructors:* **Malcolm I. Brewer, Roy J. Ellsworth, William F. Farr, John T. Flaxel, Donald R. Johnson, Alvin M. Klass, Horace C. Robison, James A. Saunders, John L. Wobig**

*Residents:* **John Apostol, William E. Atlee, William B. Baer, John A. Banholzer, James Fontaine, Lee H. Peterson, William J. Prendergast, Terry Sorom, Gary M. Stewart**

### Required Courses

#### Third Year

See Con 621. **Neurosciences.**

**Fourth Year**

**Eye 631. Eye.** 1 hour winter.

Ophthalmology in relation to systemic disease. Lectures, demonstrations, and quizzes. 1 hour a week: 12 hours.

**Eye 630. Fourth-Year Eye.** 3 hours, one section each term.

Student participation for two weeks in the patient-care programs in the adult and children's eye service. Demonstration and use of instruments and techniques for ophthalmic diagnosis and treatment. Part of the course is devoted to the study of ophthalmic manifestations of systemic diseases. 36 hours a week for 2 weeks: 72 hours.

**Elective Courses**

**Eye 601. Research.** Any term, hours to be arranged.

Supervised research training in the John E. Weeks Memorial Laboratory of Ophthalmology: Ocular pathology, physiology, cellular physiology, pharmacology and experimental surgery.

**Eye 605. Reading and Conference.** Any term, hours to be arranged.

**Eye 607. Seminar.** Any term, hours to be arranged.

**Eye 609. Clinical Experience: Advanced Ophthalmology.**

Intensive study of visual system and disorders. Active participation in patient care in clinic and wards. Attendance in classes and conferences for residents. Opportunity to participate in departmental research activity.

**DEPARTMENT OF OTOTOLOGY, RHINOLOGY,  
AND LARYNGOLOGY**

**David D. DeWeese**, Chairman of Department

*Professors:* **David D. DeWeese**, **Catherine A. Smith** (Kresge Research Laboratory), **Jack A. Vernon** (Kresge Research Laboratory)

*Clinical Professors:* **Paul Bailey**, **George E. Chamberlain**, **Robert M. Hansen**, **Lester T. Jones**

*Associate Professor:* **Robert E. Brummett** (Kresge Research Laboratory)

*Assistant Professors:* **McKenzie W. Buck** (Speech Pathology) (Portland Center for Hearing and Speech), **Edwin C. Everts**, **Paul N. Herman** (Kresge Research Laboratory), **Warren E. Johnson** (Audiology) (Portland Center for Hearing and Speech), **Alexander J. Schleuning**, **Kenneth D. Smyth**, **T. Glenn Ten Eyck** (Veterans Hospital)

*Assistant Clinical Professors:* **Wilbur M. Bolton**, **Lewis W. Jordan**, **Clifford Kuhn**, **Donald C. Mettler**, **Paul B. Myers**, **Bruce L. Titus**

*Senior Clinical Instructors:* **H. Victor Adix**, **George C. Saunders**

*Clinical Instructors:* **Oscar C. Chowning, Jr.**, **John M. Epley**, **Byron L. Fortsch**, **Richard A. Hodgson**, **Donald H. Holden**, **James Donald Imbrie**, **Edward L. Korn**, **Darrell W. Landrey**, **Richard P. Panian**, **Alexander E. Petroff**, **Alfred J. Schroeder**

*Residents:* **Dean B. Barnhouse**, **Alfred N. Carr**, **Maurice J. Comeau**, **Gordon A. Dowsett**, **John Echevarria**, **Lawrence T. Eschleman**, **William R. Lee**, **Glenn A. Milligan**, **Robert L. Moesinger**, **Brian D. Saine**, **John L. Traynor**, **Bud Allen West**

**Required Courses**

**Third Year**

See Con 621. **Neurosciences.**

## DESCRIPTION OF COURSES

### Fourth Year

ENT 630. **Fourth-Year, Ear, Nose, and Throat.** 3 hours, one section each term.  
Inpatient hospital rounds and bedside teaching, outpatient examination, diagnosis, use of special instruments and treatment programming under supervision, and workup of patients and assigned problems. In addition to the inpatient and outpatient examinations, surgical cases are followed to the operating room and afterwards. Selected time is given to textbook review and basic anatomy. The student is also introduced to the problems of the hard-of-hearing from diagnostic, treatment and rehabilitation viewpoints, including special education. Clerkships, 25 hours a week for 2 weeks; Outpatient Clinic 1 hour a week for 2 weeks: 72 hours.

### Elective Courses

ENT 601. **Research.** Any term, hours to be arranged.

ENT 605. **Reading and Conference.** Any term, hours to be arranged.

ENT 607. **Seminar.** Any term, hours to be arranged.

ENT 609. **Clinical Experience.** Any term, hours to be arranged.

## DIVISION OF DENTISTRY

**Louis G. Terkla**, Head of Division

*Professors:* Robert J. Bruckner, Ernest H. Hixon, John P. Jarabak, Duane R. Paulson, Donald R. Porter, Norman H. Rickles, Bhim S. Savara, Louis G. Terkla

*Associate Professors:* Murray H. Bartley, John S. Gullikson, J. Theodore Jastak, Oscar N. Lucas, Ralph G. Merrill, Robert S. Parker, Frank M. Wilson, James V. Woodworth, Wellesley H. Wright

*Assistant Professors:* Christ Bouneff, Lee E. Emery, Jr., David G. Fleetwood, Donald F. Kelly, Richard J. Mathewson, Allan R. Pike, Richard R. Ranney, John P. Thomas, Charles C. Thompson, LeGrande H. Woolley

## DEPARTMENT OF PEDIATRICS

**Richard W. Olmsted**, Chairman of Department

*Professors:* S. Gorham Babson, William M. Clark Jr., Rudolf C. H. Engel, John B. Isom, Martin H. Lees, Herold S. Lillywhite (Speech Pathology), Robert J. Meechan, Victor D. Menashe, Richard W. Olmsted, L. Paul Rasmussen, Richard L. Sleeter

*Clinical Professors:* Daniel K. Billmeyer, Scott Goodnight, John A. May, Edward Press, Edgar M. Rector, George F. Walliker, Jr., Alvin D. Wert

*Associate Professors:* Robert W. Blakeley (Speech Pathology), Harold Boverman, Neil R. M. Buist, John R. Campbell, Robert A. Campbell, Leroy O. Carlson, Warren H. Fay (Speech Pathology), Frederick Hecht, Everett Lovrien, David W. Macfarlane, Christopher P. S. Williams, Norton B. Young (Audiology)

*Associate Clinical Professors:* Henry L. Boehnke, John W. Bussman, Quinten W. Cochran, Morton G. Eleff, Walter A. Goss, Joseph T. Hart, Edward L. Hendricks, Peter L. Hurst, Donald F. Kelly, Harvey D. Klevit, Oliver N. Massengale, George A. Nash, George J. Schunk, Lendon H. Smith, William M. Snook, John A. Springer, John L. Stevenson, Robert E. Thornfeldt, Clemens W. Van Rooy, Charles Varga

*Assistant Professors:* Wilma L. Carson\*, Peggy J. Cople Ferry, Kathrine S.

French (Anthropology), Julia Grach, Michael J. Miller, Clarence L. Morgan, Emily Tufts, Herbert M. Woodcock

*Assistant Clinical Professors:* Carl G. Ashley, Harold R. Blair, Allan K. Chapel, Joseph L. Emmerich, Thomas E. Frothingham, John R. Hansen, James T. Hartford, William E. Hill, Frank M. Jacobson, Arthur D. Kracke, Robert A. Mendelson, L. Lee Murdoch, Jay F. O'Leary, James M. Pomeroy, Thomas L. W. Roe, Ranvir H. Sinanan, David L. Sessions, James P. Whittemore

*Instructors:* Cecille Sunderland, Walter Sunderland

*Clinical Instructors:* John R. Berry, Richard E. Cavalli, Calvin C. Clark, Jerome H. Dayton, J. Kenneth Fleshman, Donald W. Fortlage, Herman Frankel, Allen D. Harlor, Jr., Werner P. Meyn, E. Albert Moody, James S. Noble, Thomas E. Olsen, James F. Stager, Robert E. Stanton, Mary S. Urry, Martha L. Williams, Maximo C. Yao\*\*, Eldon W. Younger

*Residents:* Allan Cunningham, Richard DeKlotz, Harold Geist, Dale Henken, Joseph Lambert, Jerry Lyle, Bernard Marquardt, Larry Miller, Thomas Porter, Betty Reiss, David Spence, Sandra Vilhauer, David Weaver

*Fellows:* Gerda Benda, Carl S. Eisenberg, Banoo Jhaveri, James E. Musgrave, Jacob Reiss

## Required Courses

### Third Year

Con 620. **Child Health.** 18 hours.

▶ See page 50.

### Fourth Year

Ped 630. **Fourth-Year Pediatrics.** 9 hours, one section each term.

The student studies pediatrics in an outpatient clinic setting and participates actively, under staff supervision, in the study and care of pediatric patients in the various pediatric clinics. Part of his time is spent in the general pediatrics outpatient clinic, and the remainder in the specialty clinics of pediatrics, each of which meet 2 hours each week for 6 weeks. The specialty clinics are Allergy, Cardiology, Endocrinology, Hematology, Mental Health, Metabolism, Neurology, Renal, and Well Baby. Individual and group discussions are held in all clinics. General Pediatric Outpatient Clinic, 16 hours a week for 6 weeks, in sections: 96 hours. Specialty Clinics, 20 hours a week for 6 weeks, in sections: 120 hours. 216 hours.

## Elective Courses

Ped 601. **Research.** Any term, hours to be arranged.

Ped 605. **Reading and Conference.** Any term, hours to be arranged.

Ped 607. **Seminar.** Any term, hours to be arranged.

Ped 609. **Clinical Experience.** Any term, hours to be arranged.

Ped 650. **Fetal Neonatal Death Conference.** ½ hour, any term.

Review of the pathology of predelivery and postnatal period. Discussion of the likely causes of death from the clinical, gross, and microscopic review of each case. 1 hour a week: 12 hours.

Ped 651. **Congenital Heart Disease.** 1 hour, one section each term.

Students have an opportunity to examine patients with congenital heart disease in the Crippled Children's Division under the guidance of consultants from the Departments of Medicine, Diagnostic Radiology, Surgery, and Pediatrics. 2 hours a week: 24 hours.

\* Leave of absence September 1, 1970 to August 31, 1971.

\*\* Leave of absence.

## DESCRIPTION OF COURSES

### DEPARTMENT OF PSYCHIATRY

**George Saslow**, Chairman of Department

*Professor Emeritus:* **Henry H. Dixon, Sr.**

*Professors:* **Paul H. Blachly, Samuel Irwin** (Pharmacology), **George Saslow**

*Clinical Professors:* **Herman A. Dickel, James G. Shanklin**

*Associate Professors:* **Harold Boverman** (Child Psychiatry), **D. Duane Denny, Vincent Glaudin** (Veterans Hospital) (Psychology), **Nancy Kosterlitz** (Psychiatric Social Work), **John B. Marks** (Psychology), **Alan L. Morgenstern, Ira B. Pauly\*, Agnar A. Straumfjord**

*Associate Clinical Professors:* **Thomas T. Bennett, Siegfried R. Berthelsdorf, John L. Butler, Robert I. Daughterty\*\*, Leon J. Fine** (Group Processes), **Kenneth D. Gaver, Wendell H. Hutchens, Carl V. Morrison** (Child Psychiatry), **Guy A. Parvaresh, Edward M. Scott** (Psychology), **Robert E. Taubman, John H. Waterman**

*Assistant Professor:* **Richard E. Collins** (Psychiatric Social Work), **Richard L. Grant, Delbert M. Kole, Arlen Quan, John S. Tovey** (Psychiatric Social Work), **Herbert Woodcock** (Child Psychiatry)

*Assistant Clinical Professors:* **Douglas R. Bottomly, James D. Bray, John M. Deeney, Hans F. Fink, Buell E. Goocher** (Psychology), **Victor Gregory, Grant B. Hughes, N. B. Jetmalani, Reid R. Kimball, William J. M. MacKenzie, Donald McKinley, Robert L. Mighell, Kenneth G. Paltrow, Richard H. Phillips, Wayne M. Pidgeon, Robert E. Ransmeier**

*Instructor:* **Mary J. Amdall**

*Clinical Instructors:* **Patricia G. Amstadter** (Child Psychiatry), **John D. Bischel, Charles C. Boggs, Charles C. Brown, Alan Frankel, Velma J. Horenstein, George D. C. Kjaer, Robert C. Luther, Mary Jane Dubinski Lytle, James L. Petroske, G. Wayne Plummer, David L. Sessions** (Pediatrics), **James H. Shore, Mary Anne Smith, Theodore P. Utt, Daniel V. Voiss, Ralph D. Worthylake**

*Research Associate:* **George S. Ralph**

*Residents:* **Timothy A. Burton, James W. Eastman, James A. Farley, Susan Gasteyer, C. Delores Gregory, Jerry K. Larsen, Barry M. Maletsky, Harold R. McCartor, Michael J. McCulloch, Grant D. Miller, Kent E. Neff, Joel A. Reisman, Peter-Barrett Vaughey**

### Required Courses

#### First Year

**Psy 410. The Human Context of Medical Practice.** 2 hours, fall.

The major goal of this course is to make explicit the student's awareness of basic problems of human life that are germane to medical practice. By the use of lectures, clinical demonstrations, and discussions, a student will be made aware of alternative choices in many medical decisions and the impact one's own attitudes and values have in making these decisions. He will also be made aware of the impact upon oneself of medical attitudes and values that differ from one's own. He will be taught to elicit clear statements of another's attitudes and values about matters of importance to the other persons. The student will learn basic communicative skills such as paraphrasing, behavior description and summarizing, that he can use in the day-to-day problems confronting a medical student. Finally, he will be taught to function as a member of an interprofessional health team and with non-health groups that influence medical practice. Lectures, clinical demonstrations and discussions. 33 hours

\* Leave of absence August 1, 1970 to July 31, 1971.

\*\* Leave of absence.

PUBLIC HEALTH  
AND  
PREVENTIVE  
MEDICINE

**Second Year**

Psy 511, 512. **Interviewing Techniques and Psychiatric Medicine.** 2 hours each term, fall and winter.

Lectures, clinical demonstrations, and student discussions designed to help in the acquisition of basic skills in interviewing, history-taking, and the evaluation of patients as persons in a social environment. Differential diagnostic descriptions of major psychiatric entities, supervised interview practice and exercises in interpersonal competence conclude the course. Lecture, 1 hour a week, each term. Laboratory, 2 hours a week each term: 72 hours.

**Third Year**

Con 620. **Child Health.** 18 hours.

See page 50.

**Elective Courses**

Psy 601. **Research in Psychiatry.** Any term, hours to be arranged.

Psy 605. **Reading and Conference in Psychiatry.** Any term, hours to be arranged.

Psy 607. **Seminar in Psychiatry.** Any term, hours to be arranged.

Psy 609. **Clinical Experience.** Any term, hours to be arranged.

DEPARTMENT OF PUBLIC HEALTH AND  
PREVENTIVE MEDICINE

**Harold T. Osterud**, Chairman of Department

*Professors:* **William E. Morton, Harold T. Osterud**

*Clinical Professor:* **Edward Press**

*Associate Professor:* **David W. Johnson**

*Associate Clinical Professors:* **Thomas J. Fox, Samuel B. Osgood, Warren S. Welborn**

*Assistant Professor:* **Edward Goldblatt**

*Assistant Clinical Professors:* **Peter J. Batten, John H. Donnelly, Thomas L. Meador**

*Senior Instructor:* **Richard L. Lessel**

*Senior Clinical Instructors:* **Gatlin Brandon, Monroe A. Holmes, Marian M. Martin, Charles S. Stitt**

*Clinical Instructors:* **Michael R. Britt, William E. Creighton, Lionel H. deMontigny, Marjorie L. Gaston, George L. Toombs, David M. Witter**

DIVISION OF ENVIRONMENTAL MEDICINE

**A. Wesley Horton**, Acting Head of Division

*Professor:* **A. Wesley Horton**

*Associate Clinical Professor:* **Ralph R. Sullivan**

*Assistant Clinical Professors:* **David W. McClure, Hilton W. Rose, A. Clair Siddall**

*Senior Clinical Instructor:* **Darrel D. Douglas**



## DESCRIPTION OF COURSES

*Clinical Instructors:* John T. Redfield, Bill L. Stevenson

*Research Assistants:* Anthony H. David, Dana Escheleman, Elizabeth Griffith,  
James C. Haley, Allan R. Schuff, Thomas C. Wiley

### Required Courses

#### First Year

PH 410. **Public Health and Epidemiology.** 3 hours, fall and winter.

Introduction to concepts and measurements of community health status and problems; emphasis upon human ecology, epidemiology, problem solving methods, and environmental sanitation. Lectures, demonstrations and seminars 73 hours.

#### Second Year

PH 512. **Epidemiology.** 1 hour winter.

Introduction to basic concepts of human ecology including interrelationships between man and his biologic, physical, chemical and sociocultural environments. Lectures and recitations, 1 hour a week: 12 hours.

PH 513. **Epidemiology.** 3 hours spring.

Principles of epidemiology and epidemiologic bases for prevention and control of disease; applications to communicable and non-communicable disease; emphasis on environmental factors. Lectures and seminars, 5 hours per week 60 hours.

#### Third Year

Con 620. **Child Health.** 18 hours.

See page 50.

### Elective Courses

PH 501. **Research.** Any term, hours to be arranged.

PH 505. **Reading and Conference.** Any term, hours to be arranged.

PH 507. **Seminar.** Any term, hours to be arranged.

PH 601. **Research.** Any term, hours to be arranged.

PH 605. **Reading and Conference.** Any term, hours to be arranged.

PH 607. **Seminar.** Any term, hours to be arranged.

PH 609. **Clinical Experience.** Any term, hours to be arranged.

## DEPARTMENT OF RADIOLOGIC DIAGNOSIS

**Charles T. Dotter**, Chairman of Department

*Professors:* Marcia K. Bilbao, Charles T. Dotter, Louis H. Frische, Joseph Röscher

*Professor of Radiologic Technology:* Hilda E. Drum

*Clinical Professors:* William Y. Burton, E. Dale Trout

*Associate Professor:* Eugene Blank

*Associate Clinical Professors:* Wayne G. Erickson, Arthur F. Hunter, John Wayne Loomis, Robert S. Miller, Arthur L. Ovregaard, J. Richard

## RADIATION THERAPY

**Raines, George F. Satterwhite, Fred C. Shipps, Kurt R. Straube, Hans G. Wandel, Gerald Warnock**

*Assistant Professors:* **Ilmar O. Kiesel** (Veterans Hospital), **Loren W. Stille** (Veterans Hospital)

*Assistant Clinical Professors:* **Raymond F. Friedman, Gerald S. Green, Robert L. Mueller**

*Instructor:* **David L. Wishart**

*Clinical Instructors:* **Seymour Haber, James R. McDougall, Gregory B. Nichols, Ronald W. Philips, William E. Purnell, Michael J. Roddy, Jon C. Sewell, Gordon A. Stoney, Donald A. Turcke, Cameron J. Wiley, Oscar K. Williams**

*Research Associate:* **Thomas B. Hutchens, IV**

*Research Assistant:* **Harold J. Kidd**

*Fellows:* **George Bergermeister, William A. Smullen**

*Cardiovascular Fellows:* **James W. Coin, C. Malcolm McKinnon, Jr.**

*Residents:* **Ruza Antonovic, Michael J. Brown, Gerald E. Johnson, Paul C. Lakin, William K. Lloyd, DuWaine T. Matthews, Gordon C. Miller, John P. Phelan, Natale D. Quilici, John J. Rademacher, Robert W. Rose, James Whiting, David M. Wilder**

### Required Course

#### Third Year

DRad 620. **Radiographic Diagnosis.** 1 hour each term, fall, winter, spring.

Broad experience in the interpretation and reporting of X-rays through weekly film reading assignments followed by small-group case presentation exercises. Lectures on diagnostic principles, radiographic technic, radiation hazard and protection. 1 hour a week: 36 hours.

### Elective Courses

DRad 601. **Research.** Any term, hours to be arranged.

DRad 605. **Reading and Conference.** Any term, hours to be arranged.

DRad 607. **Seminar.** Any term, hours to be arranged.

DRad 609. **Clinical Experience.** Any term, hours to be arranged.

DRad 690. **Radiographic Diagnosis.** Any term, hours to be arranged.

Practical experience derived from individually assigned cases in the teaching file, correction and diagnosis of students' presentations at weekly seminar. Enrollment limited.

## DEPARTMENT OF RADIATION THERAPY

**Clifford V. Allen**, Chairman of Department

*Professors:* **Clifford V. Allen, Tyra T. Hutchens** (Radioisotopes)

*Associate Clinical Professors:* **Milton D. Hyman, Selma Hyman, J. Robert Lee**

*Assistant Professor:* **Harry Shaich** (Radiation Physics)

*Assistant Clinical Professor:* **Irving J. Horowitz**

*Instructor:* **William R. Vermeere** (Radiation Biology)

*Residents:* **Richard W. Lehfeldt, R. Eugene Lienert, Raymond L. Penniman, Roland D. Ostlund, Oscar Carl Simonton, Jr.**

## DESCRIPTION OF COURSES

### Elective Courses

RadT 601. **Research.** Any term, hours to be arranged.

RadT 605. **Reading and Conference.** Any term, hours to be arranged.

RadT 607. **Seminar.** Any term, hours to be arranged.

RadT 609. **Clinical Experience.** Any term, hours to be arranged.

RadT 691. **Introduction to Radiation Therapy.** Hours to be arranged.

Attendance and participation in Radiation Therapy planning conferences, observing treatment and follow-up examination on assigned cases.

## DEPARTMENT OF SURGERY

**William W. Krippaehne**, Chairman of Department

*Professor Emeritus:* **Eugene W. Rockey**

*Professors:* **William S. Fletcher, William W. Krippaehne, Clare G. Peterson, R. Mark Vetto** (Veterans Hospital)

*Clinical Professors:* **John C. Adams, Harvey W. Baker, Allen M. Boyden, Mathew McKirdie, Millard S. Rosenblatt, Robert A. Wise**

*Associate Professors:* **Daniel L. Dennis, Stanley W. Jacob, Ralph D. Robertson**

*Associate Clinical Professors:* **William J. Garnjobst, Guy W. Gorrell, LeRoy E. Groshong, Clifford E. Hardwick, Edward E. Wayson, Werner E. Zeller**

*Assistant Professor:* **Don C. Wood**

*Assistant Clinical Professors:* **Richard P. Andrews, William C. Awe, John W. Bassett, Harry G. Beckwith, Jr., Nathan J. Campbell, Donald L. Cleland, J. Gordon Grout, Russell G. Gustavson, Roger W. Hallin, Martin A. Howard, Russell L. Johnsrud, Donald R. Laird, Verner V. Lindgren, Robert W. Marcum, Joseph W. Nadal, Philip F. Parshley, Jr., Willard D. Rowland, Ambrose B. Shields, Richard D. Sloop, Philip A. Snedecor, Dan N. Steffanoff, John P. Trommald, Alvin O. Uhle, Nathaniel D. Wilson**

*Senior Clinical Instructors:* **Fred W. Bieker, Jack Blumberg, Darrell C. Bol-lam, Paul M. Brown, John G. P. Cleland, Hugh Donald Colver, Arch Diack, Paul D. Foster, George Thomas Harding, Theodore L. Hyde, Toshio Inahara, Jack D. Jefferson, Roderick L. Johnson, Gary H. Leav-erton, Richard H. Lindquist, William R. McAllister, Roland M. Mayer, James V. Meyer, David B. Miller, H. Minor Nichols, Ralph D. Odell, Robert W. Olwine, Daniel L. Reed, Walter C. Reiner, Joseph M. Roberts, Keith A. Robertson, Nathan Shlim, Eugene S. Sullivan, Linton G. Weed**

*Instructor:* **Bruce A. Buck**

*Clinical Instructors:* **Benny Lee Bachulis, Jack E. Battalia, Esmond Braun, Frederick H. Bentley, Keith M. Clisby, Ralph Garr Cutler, Zanley C. Edelson, Lester H. Eisendorf, Latham Flanagan, John F. Hayes, Joseph R. Kantor, Reinhold Kanzler, Harley D. Kelley, G. Prentiss Lee, Otte L. Loehden, R. Kent Markee, William R. Marshall, Willard L. Mathieson, Jack Naylor, Robert W. Patton, Irving Puziss, Melvin M. Reeves, William M. Rosenbaum, Leland Clair Spaulding, Charles R. Starr, Paul Trautman**

*Residents:* **John H. Affleck, Richard P. Armstrong, Bolek Brant-Zawadski, Robert W. duPriest, Jr., Larry R. Eidemiller, Lloyd D. Hale, Roy E.**

Hall, Richard E. Hurst, W. Curtis Kaesche, Thomas D. Lindell, William H. Massey, George C. Merhoff, Hugh S. Moseley, James A. Roman, John R. Sandilands, Truman M. Sasaki, Waldemar A. Schmidt, Richard L. Snider, Gary R. Snyder, David W. Strong, Kenneth Tuttle, Joseph B. Vander Veer, Jr.

## DIVISION OF CARDIOPULMONARY SURGERY

**Albert Starr**, Head of Division

*Professor:* **Albert Starr**

*Clinical Professor:* **William S. Conklin**

*Assistant Professors:* **Richard P. Anderson, Robert P. Hodam**

*Assistant Clinical Professors:* **John C. Bigelow, Lawrence M. Lowell, James A. Wood**

*Senior Clinical Instructors:* **J. Karl Poppe, Charles H. Sparks, William R. Sweetman**

*Instructor:* **Jeri L. Dobbs**

*Clinical Instructors:* **Stanley F. Bergquist, Fernando Leon, Richard C. Rogers**

*Fellows:* **Christos Lolas, Gareth M. Rees, Joshua Salvador, Laurence Simpson, Tsuguhito Tanaka**

*Residents:* **Laurence Bonchek, Richard D. Chapman, Christopher T. Maloney, Adel F. Matar**

## DIVISION OF NEUROSURGERY

**Harold D. Paxton**, Head of Division

*Professor:* **Harold D. Paxton**

*Clinical Professor:* **John Raaf**

*Associate Professors:* **Anthony E. Gallo, Jr., Makoto Sato**

*Associate Clinical Professor:* **Edward W. Davis**

*Assistant Clinical Professor:* **Edward K. Kloos**

*Clinical Instructors:* **John P. Dennis, Ray V. Grewe, Curtis L. Hill, John C. Misko, Joel L. Seres**

*Residents:* **Henry H. Garry, Jr., Errett E. Hummel, Jr., Hirohisa Ono, Stephen Weitz**

## DIVISION OF ORTHOPEDICS

**William E. Snell**, Head of Division

*Professors Emeriti:* **Roderick E. Begg, Harry C. Blair, C. Elmer Carlson**

*Professor:* **William E. Snell**

*Clinical Professors:* **Eldon G. Chuinard, Joe B. Davis**

*Associate Professor Emeritus:* **Gurney A. Kimberley**

*Associate Professor:* **Rodney K. Beals**

*Associate Clinical Professors:* **Lawrence Noall, Frank B. Smith**

*Assistant Professor:* **Philip J. Fagan** (Veterans Hospital)

*Assistant Clinical Professors:* **John F. Abele, Richard F. Berg, Paul Campbell, Raymond A. Case, Jr., Harold E. Davis, H. Freeman Fitch, Richard J. Hopkins, Donald B. Slocum**

## DESCRIPTION OF COURSES

*Senior Clinical Instructors:* Thomas J. Boyden, Lawrence J. Cohen, George W. Cottrell, Charles A. Fagan, Howard J. Geist, Joseph H. Gill, Harry E. Groth, Carl L. Holm, Orville N. Jones, Calvin H. Kiest, Jr., Laurent R. Langston, Robert G. McKillop, James A. Mason, Edwin G. Robinson, Faulkner A. Short

*Clinical Instructors:* Michael Baskin, Charles R. Boge, Howard L. Cherry, John B. Chester, McGregor L. Church, Winfred H. Clarke, Arthur L. Eckhardt, Thomas A. Edwards, Richard P. Embick, Thomas E. Fagan, Robert J. Fry, Louis Phaon Gambee, Samuel F. Gill, Guy K. Guffee, John Harder, John P. Hazel, Stanley L. James, Robert L. Larson, Norman L. Logan, James D. Nelson, Robert H. Post, Robert M. Rankin, Michael Rask, Thad C. Stanford, John W. Thompson, Richard C. Zimmerman

*Residents:* James L. Baldwin, Charles Bird, Robert Chuinard, David A. Haland, Michael S. Hmura, Thomas W. Hutchinson, Grant D. Lawtor, Craig MacCloskey, Michael R. Marble, Robert J. Porter, Ilmar Soot, Frederick L. Surbaugh

### DIVISION OF PEDIATRIC SURGERY

**John R. Campbell**, Head of Division

*Associate Professor:* **John R. Campbell**

*Senior Clinical Instructor:* **Harry B. Dittmore, Jr.**

### DIVISION OF PHYSICAL MEDICINE AND REHABILITATION

**Kenneth D. Smyth**, Head of Division

*Professor Emeritus:* **Arthur C. Jones**

*Associate Professor:* **Kenneth D. Smyth**

*Assistant Professor:* **Everill W. Fowlks** (Veterans Hospital)

*Assistant Clinical Professor:* **Leland L. Cross**

*Senior Clinical Instructor:* **George A. Peirson**

*Clinical Instructor:* **Philip S. King, III**

### DIVISION OF UROLOGY

**Clarence V. Hodges**, Head of Division

*Professor:* **Clarence V. Hodges**

*Clinical Professors:* **J. Scott Gardner, John R. Hand, Thomas R. Montgomery**

*Associate Clinical Professors:* **Charles Ferguson, Theodore H. Lehman, Robert J. Moore**

*Assistant Professor:* **Russell K. Lawson**

*Assistant Clinical Professors:* **G. Donald Beardsley, Emerson J. Collier, Jerry D. Giesy, Robert L. Kalez, Curtis A. Macfarlane, David P. Paull, Arno Rustin, Ivan L. Sandoz, John G. Vandenberg**

*Clinical Instructors:* **Charles E. Catlow, Jr., Ferenc F. Gabor, James H. Gilbert, Luis E. Halpert, Russell N. Sacco, Jerome C. Weeber**

*Residents:* **Jerald E. Albrich, John M. Barry, Arlen B. Burns, George Decker, Walter A. Derrick, John A. Emery, Thomas W. Friedland, Robert H. Kala, David A. Kimball, James Pappas, Robert W. Ruggeri, Charles Skeeters, Clifford O. Stranburg, Don A. Udall, Gary Van Galder, David Young, Jay H. Winemiller**

**General Surgery—Required Courses****Second Year**

Sur 610. **Introduction to Surgery.** 1 hour winter, 2 hours spring.

Designed to introduce the student to the history and broad principles of surgery. Application of the basic sciences to surgical practices, with particular reference to such topics as asepsis, shock, wound healing, cancer, infection, the metabolic response to injury, etc. Lectures, 1 hour a week: 12 hours, winter; 2 hours a week: 24 hours, spring: 36 hours.

**Fourth Year**

Sur 631. **Fourth-Year Surgery.** 16 hours, one section each term.

The fourth-year course is designed to give the student close continuous contact in the hospital with surgical patients. In the second year the student was shown the broad principles of surgery. In the fourth year the student sees the practical application of these principles to individual patients and becomes, for the first time, an active member of the surgical team and participates in diagnosis, pre-operative preparation, operations, and postoperative care. By continuous contact with the patient, he learns the total responsibilities of surgery and the surgeon.

Clerkship experience in neurosurgery is included. Lectures in urology and surgery round out the student's knowledge. The student attends the weekly General Clinical Conference.

Students spend six weeks on General Surgery including animal surgery experience and two weeks on Neurosurgery. Lectures in Urology (fall) and General Surgery (winter), 24 hours; General Clinical Conference, 24 hours; General Surgical Clinic, 24 hours; General Surgery Clerkship, 192 hours; Experimental Surgery, 24 hours; Neurosurgery Clerkship, 72 hours: 336 hours: 360 hours.

**General Surgery—Elective Courses**

Sur 601. **Research.** Any term, hours to be arranged.

Sur 605. **Reading and Conference.** Any term, hours to be arranged.

Sur 607. **Seminar.** Any term, hours to be arranged.

Sur 609. **Clinical Experience.** Any term, hours to be arranged.

**Cardiopulmonary Surgery****Elective Courses**

Sur 601. **Research.** Any term, hours to be arranged.

Sur 605. **Reading and Conference.** Any term, hours to be arranged.

Sur 607. **Seminar.** Any term, hours to be arranged.

Sur 609. **Clinical Experience.** Any term, hours to be arranged.

**Neurosurgery****Required Course****Third Year**

Sur 621. **Neurosciences.**

See page 51.

## DESCRIPTION OF COURSES

### Elective Courses

NSur 601. **Research.** Any term, hours to be arranged.

Clinical and basic research projects in neurosurgery. Intended for students primarily interested in careers in neurology and neurological surgery.

NSur 605. **Reading and Conference.** Any term, hours to be arranged.

NSur 607. **Seminar.** Any term, hours to be arranged.

NSur 609. **Clinical Experience.** Any term, hours to be arranged.

NSur 650. **Differential and Regional Neurosurgical Diagnosis and Therapeutics.** ½ hour.

Discussions and demonstrations of the altered neurophysiologic background and anatomy encountered in patients with neurosurgical problems. Emphasis on student interest and participation in discussion of the basic concepts involved. Lectures and demonstrations, 1 hour a week: 12 hours.

### Orthopedics—Elective Courses

Orth 601. **Research.** Any term, hours to be arranged.

Orth 605. **Reading and Conference.** Any term, hours to be arranged.

Orth 607. **Seminar.** Any term, hours to be arranged.

Orth 609. **Clinical Experience.** Any term, hours to be arranged.

### Urology—Elective Courses

Ur 601. **Research.** Any term, hours to be arranged.

An introduction to the clinical field of transplantation with emphasis on immunosuppressive therapy and its complications; an introduction to the experimental techniques in surgery and immunology as applied to current problems in organ transplantation.

Ur 605. **Reading and Conference.** Any term, hours to be arranged.

Ur 607. **Seminar.** Any term, hours to be arranged.

Ur 609. **Clinical Experience.** Any term, hours to be arranged.

# 5

## OTHER INSTRUCTIONAL PROGRAMS





OTHER  
INSTRUCTIONAL  
PROGRAMS

## *Medical Technology*

**Tyra T. Hutchens**, Director of Medical Technology Program

**Mary E. Baptist**, Teaching Supervisor

*Professor:* **Tyra T. Hutchens**

*Associate Professors:* **Margaret E. Berroth, James L. Bramhall, Martha L. Hamilton, Victor C. Marquardt**

*Assistant Professors:* **John P. Aitchison, James E. Haines, Charles E. Gardner, Abdel L. Rashad, J. Robert Swanson**

*Senior Instructors:* **Mary E. Baptist, John D. Koontz**

*Instructors:* **Patricia A. Chadwick** (Clinical Microbiology), **Rose M. Parker** (Hematology), **James A. Wilkinson** (Clinical Chemistry and Urinalysis), **Marian S. Thomas** (Immunohematology)

*Clinical Instructor:* **Mary C. Campbell**

*Assistants to the Teaching Supervisor:* **Betty M. Carlson, Dorothy B. Chambers, Claudia L. Darby, Irene Engeldinger, Allan R. Kimmey, Linda L. Lowery, Wallace H. Matsumura, Donna M. Primmer, Sandra Reed, Harry Seto**

Training in medical technology is offered in the clinical laboratories of the University of Oregon Medical School. The twelve-month program, established in 1933, is approved by the Council on Medical Education and Hospitals of the American Medical Association.

The minimum admission requirements are three years of college work, including: 24 term hours of biology; 24 term hours of chemistry, including one full academic year of a general college chemistry course, with lectures and laboratory; and one term of college mathematics. It is strongly recommended that a course in physics be included in the student's college preparation. The three years of prerequisite work may be done in any accredited college; the applicant's credentials must be approved by the Registry of Medical Technologists of the American Society of Clinical Pathologists prior to admission.

Textbooks and uniforms are supplied by the student. There are a limited number of dormitory rooms for women; application may be made through the Women's Residence Director, 707 S.W. Campus Drive, Portland 97201.

Classes begin with the fall term and academic credit is granted for the work of the fall, winter, and spring terms. No credit is given for the summer term, which is required for certification by the Registry. Upon satisfactory completion of the twelve continuous months' training period, a certificate is issued to the student by the University of Oregon Medical School. The student is then eligible to take the National Registry Examination which is given twice a year. Upon passing the examination, the student is qualified as a registered medical technologist with the American Society of Clinical Pathologists.

Credits earned in the medical technology program may be applied toward a bachelor's degree. The student who intends to apply for a bachelor's degree must complete the work required for the degree in the Oregon State System of Higher Education, or in the institution at which he obtained his college preparation, before entering upon the fourth year in medical technology at the University of Oregon Medical School.\*

\* Students expecting to receive the bachelor's degree from the University of Oregon should include 9 hours of English composition and 9 hours of English literature in their preparatory programs. See the University of Oregon Catalog for specific courses that meet the literature requirements.

A graduate program leading to the Master of Science degree is offered for qualified students.

Application for admission forms may be obtained from the Registrar of the Medical School. Applications are accepted between December 1 and May 15.

### Fees

Students in medical technology who are residents of Oregon pay a fee of \$127.00 a term ; nonresident students pay a fee of \$237.00 a term.

Medical technology students pay the "special fees" listed on page 18 under the conditions indicated.

### Grading System and Grades

A grading system of A to D is used at the Medical School. A is the highest and D is the lowest passing grade. If a course is not completed within the time allotted, the work must be finished satisfactorily within one year. Failure in a course requires repetition of the course. In most courses the student will be given frequent written and practical tests, marked with percentage grades. The student may be given these percentage grades by his instructors, but final grades are issued only by the Registrar's office. Final grades are given for each term's work, but are issued only at the end of the Winter and Spring quarters.

If at any time during the school year the student feels his work is not satisfactory, he should consult his instructor. Should special problems arise that threaten to interfere with study, the student should consult a faculty member for advice before his scholarship has been seriously affected.

### Dismissal

The faculty has the right to sever, at any time, the connection with the Medical School of any student who is considered to be physically, morally, or mentally unfit for a career in medical technology. A student may be dropped upon the recommendation of the faculty.

A student ordinarily may be on probation status for one term before the faculty recommend his dismissal; however, the faculty, for adequate cause, may drop a student without previous warning.

### Calendar

#### *Fall Term, 1970*

September 8, through September 12.....Registration ; Orientation  
September 9, *Wednesday*.....Last day for payment of fees  
September 14, *Monday*.....Instruction begins  
November 26, *Thursday*.....Thanksgiving Holiday  
November 28, *Saturday*.....Fall term ends

#### *Winter Term, 1970-71*

November 30, *Monday*.....Registration ; Instruction begins

OTHER  
INSTRUCTIONAL  
PROGRAMS

December 1, *Tuesday*.....Last day for payment of fees  
 December 20 through January 3, 1971.....Christmas vacation ;  
 Laboratory instruction continues  
 February 27, *Saturday*.....Winter term ends  
*Spring Term, 1971*  
 March 8, *Monday*.....Registration ; Instruction begins  
 March 9, *Tuesday*.....Last day for payment of fees  
 May 22, *Saturday*.....Spring term ends  
 September 3, *Friday*.....Certification Ceremony

*Fall Term, 1971-72*

September 7 through September 10, 1971.....Registration ; Orientation  
 September 13, *Monday*.....Instruction begins

In addition to the classroom schedule listed above, students are required to be in attendance for laboratory instruction as required by the Department of Clinical Pathology. The entire program of classroom and laboratory instruction covers a period of one calendar year.

**Curriculum in Medical Technology**

	Term hours
<b>Fall Term</b>	
MT 410. Clinical Bacteriology .....	4
MT 413. Laboratory Orientation .....	2
MT 421. Radioisotope Techniques .....	1
MT 424. Clinical Biochemistry .....	5
MT 430. Hematology .....	5
	17
<b>Winter Term</b>	
MT 411. Clinical Bacteriology .....	6
MT 422. Radioisotope Techniques .....	1
MT 425. Clinical Biochemistry .....	6
MT 431. Hematology .....	3
	16
<b>Spring Term</b>	
MT 414. Urinalysis .....	4
MT 420. Histological Technique .....	2
MT 432. Immunohematology .....	3
MT 436. Applied Serology .....	4
MT 437. Clinical Parasitology .....	3
	16

MT 410, 411. **Clinical Bacteriology.** 4 hours fall, 6 hours winter.

The bacteria pathogenic for man. Study of the culture, the morphological characteristics, and the means of isolation and identification of these organisms. Fall : lectures, 4 hours a week. Winter : lectures, 3 hours a week ; laboratory, 9 hours a week : 176 hours.

- MT 413. **Laboratory Orientation.** 2 hours fall.  
Administrative, professional, and legal aspects of Medical Technology practice; the relationship of Medical Technology to Clinical Pathology and to total patient care.
- MT 414. **Urinalysis.** 4 hours spring.  
A study of the mechanisms of formation and identification of the normal and abnormal components of urine. Lectures, 2 hours a week; laboratory, 6 hours a week: 88 hours.
- MT 420. **Histological Technique.** 2 hours spring.  
Principles of tissue fixation, dehydration, and staining, with special emphasis upon the methods used in histopathological technique. Lecture, 1 hour a week; laboratory, 3 hours a week: 44 hours.
- MT 421, 422. **Radioisotope Techniques.** 1 hour each term.  
Lectures and demonstrations concerned with the basic theory and the practical application of radioisotope techniques to medicine. Lectures, 1 hour a week: 22 hours.
- MT 423. **Radioisotope Laboratory.** Any term, hours to be arranged.  
Laboratory experience with instruments used in radioisotope work.
- MT 424, 425. **Clinical Biochemistry.** 5 hours fall, 6 hours winter.  
The principles of biochemistry and the applications of colorimetry; gastrometric analysis, and quantitative chemistry in the determination of the substances in blood and body fluids. Fall: lectures, 3 hours a week; laboratory, 6 hours a week. Winter: lectures, 3 hours a week; laboratory, 9 hours a week: 231 hours.
- MT 430, 431. **Hematology.** 5 hours fall, 3 hours winter.  
The normal function and development of blood cells, basic pathophysiology of hematologic diseases, laboratory procedures pertaining to hematology and their correlation with various disease states. Fall lectures, 3 hours a week; laboratory, 6 hours a week: 99 hours. Winter lectures, 2 hours a week; laboratory, 3 hours a week: 55 hours.
- MT 432. **Immunohematology.** 3 hours spring.  
The principles of immunohematology as applied to blood banking with special emphasis upon blood groups and types, and techniques demonstrating antigen-antibody reactions; donor collection, processing and storage, and hazards of transfusions; blood components; medical-legal aspects. Lectures, 2 hours a week; laboratory, 3 hours a week: 55 hours.
- MT 436. **Applied Serology.** 4 hours spring.  
The principles of serological phenomena in the laboratory. The factors influencing precipitin, flocculation, and complement fixation tests as applied to serum diagnosis of disease. Special consideration of flocculation and complement fixation tests as they apply to the diagnosis of syphilis. Lectures, 2 hours a week; laboratory, 6 hours a week: 88 hours.
- MT 437. **Clinical Parasitology.** 3 hours spring.  
The life cycles, modes of transmission and diagnostic features of the more common parasites of man. Lectures, 2 hours a week; laboratory, 3 hours a week: 55 hours.

### Elective Courses

- MT 501. **Research.** Any term, hours to be arranged.
- MT 505. **Reading and Conference.** Any term, hours to be arranged.
- MT 507. **Seminar.** Any term, hours to be arranged.
- MT 520. **Advanced Radioisotope Techniques.** Any term, hours to be arranged.
- MT 521. **Advanced Radioisotope Laboratory.** Any term, hours to be arranged.

## OTHER INSTRUCTIONAL PROGRAMS

### Faculty

- John P. Aitchison**, Ph.D., Assistant Professor of Clinical Pathology (1969).  
B.A. (1957), British Columbia; Ph.D. (1969), California.
- Mary Elizabeth Baptist**, B.A., Senior Instructor in Medical Technology; Teaching Supervisor (1950).  
B.A. (1944), Montana State University; M.T. (ASCP) (1946).
- Margaret E. Berroth**, M.D., Associate Professor of Clinical Pathology; Assistant Director of Educational Programs, Clinical Pathology (1966).  
Abitur (1947), Greifswald Lyceum; M.D. (1954), Heidelberg.
- James L. Bramhall**, M.B., Associate Professor of Clinical Pathology (1962).  
M.B., Ch.B. (1951), Victoria University of Manchester Medical School (England).
- Patricia A. Chadwick**, B.S., Instructor in Medical Technology (1966).  
B.S. (1950), Massachusetts; M.T. (ASCP) (1957), Spec. M. (ASCP) (1967).
- Charles E. Gardner**, Ph.D., Assistant Professor of Clinical Pathology (1964).  
B.S. (1951), Regis; Ph.D. (1962), Colorado.
- James E. Haines**, M.D., Assistant Professor of Clinical Pathology (1966).  
B.S. (1950), M.D. (1955), Stanford.
- Martha L. Hamilton**, M.D., Associate Professor of Clinical Pathology (1957).  
B.S. (1945), Texas Wesleyan; M.D. (1952), Texas.
- Tyra T. Hutchens**, M.D., Professor of Clinical Pathology and Radiology (Therapy) (Radioisotopes); Chairman of Department of Clinical Pathology (1953).  
B.S. (1943), M.D. (1945), Oregon.
- John D. Koontz**, B.S., Senior Instructor in Clinical Pathology (1963).  
B.S. (1954), Oregon; M.T. (ASCP) (1952).
- Victor C. Marquardt, Jr.**, M.D., Associate Professor of Clinical Pathology; Assistant Director of Clinical Laboratory Services (1964).  
B.A. (1953), Wesleyan; M.D. (1957), Nebraska.
- Rose M. Parker**, R.T., Instructor in Medical Technology (1967).  
R.T. (1959), A.R.T. (Hema.) (1964).
- Abdel L. Rashad**, M.D., Ph.D., Assistant Professor of Clinical Pathology (1969).  
M.D. (1959), Cairo (Egypt); Ph.D. (1966), University of Washington.
- J. Robert Swanson**, Ph.D., Assistant Professor of Clinical Pathology (1969).  
B.S. (1961), Colorado; Ph.D. (1965), Washington State.
- Marian S. Thomas**, B.S., Instructor in Medical Technology (1969).  
B.S. (1964), Southern Oregon; M.T. (ASCP) (1965).
- James A. Wilkinson**, B.S., Instructor in Medical Technology (1966).  
B.S. (1962), Oregon; M.T. (ASCP) (1963).

### Assistants to the Teaching Supervisor

- Betty M. Carlson**, B.S., Clinical Hematology Technique.  
B.S. (1945), Hamline; M.T. (ASCP) (1945).
- Dorothy B. Chambers**, B.S., Specimen Collection Technique.  
B.S. (1958), Marylhurst; M.T. (ASCP) (1949).
- Claudia L. Darby**, B.S., Clinical Chemistry Technique.  
B.S. (1958), Oregon; M.T. (ASCP) (1959); Spec. C. (ASCP) (1966).
- Irene Engeldinger**, B.S., Clinical Immunoserology.  
B.S. (1944), Marylhurst; M.T. (ASCP) (1948).

**Allan R. Kimmey, B.S., Clinical Chemistry Technique.**

B.S. (1963), Oregon; M.T. (ASCP) (1964).

**Wallace H. Matsumura, B.A., Clinical Immunohematology and Serology Technique.**

B.A. (1952), Hawaii; M.T. (ASCP) (1955).

**Linda L. Lowery, B.S., Clinical Microbiology Technique.**

B.S. (1962), Portland State; M.T. (ASCP) (1962).

**Donna M. Primmer, B.S.**

B.S. (1965), Portland State; M.T. (ASCP) (1966).

**Sandra Reed, B.A., Clinical Hematology Technique.**

B.A. (1961), Maine; M.T. (ASCP) (1962).

**Harry Seto, B.S., Clinical Radioisotope Technique.**

B.S. (1955), Oregon; M.T. (ASCP) (1956); N.M. (ASCP) (1964).

### *Graduate Studies (See also Graduate Catalog)*

The University of Oregon Medical School offers graduate programs in the basic medical sciences, leading to the Master of Science and Doctor of Philosophy degrees; the degrees are conferred by the University of Oregon upon recommendation of the faculty of the Medical School. A combined program leading to both medical and basic science graduate degrees is also available for selected medical students. Work leading to the Master of Science or Doctor of Philosophy degree is offered in anatomy, biochemistry, medical psychology, microbiology, pathology, pharmacology, and physiology. The master's degree is offered in medical technology also. (A Ph.D. degree in speech pathology and audiology is offered jointly by the speech department of the University of Oregon and the Medical School's Crippled Children's Division. Students meet admission requirements and follow graduate school regulations of the University of Oregon.) A program of graduate study leading to the degree of Master of Science in Nursing Education is offered by the University of Oregon School of Nursing. See page 83.

Complete details concerning study toward the degree of Master of Science and Doctor of Philosophy are incorporated into a separate bulletin entitled *Graduate Studies Programs*. This bulletin is available from the Office of the Registrar and should be consulted by persons interested in graduate study.

### **Combined Program Leading to the M.D. and a Graduate Degree**

The Medical School offers a special five-year program of study for students wishing to work toward the Master of Science degree while completing the regular curriculum in medicine. This combined program of graduate-medical study is open only to students who plan to spend five years in residence at the Medical School. Required graduate major credit is earned in a major department of graduate study. Medical credits are granted for basic science courses in the medical curriculum. Medical students wishing to enter this program must be accepted as graduate students by the Graduate Council and the Dean.

To provide training for those medical students who wish to prepare themselves more completely for careers as physician-scientists, a program leading to the combined M.D. and Ph.D. degrees has recently been approved and activated. This course of training may require a total time span of seven years of post-baccalaureate study. It affords opportunity for advanced coursework in the fundamental

## OTHER INSTRUCTIONAL PROGRAMS

sciences of mathematics, physics and chemistry, and for advanced coursework in the basic medical sciences that cannot be incorporated into the M.D.-M.S. program. Candidates for the Doctor of Philosophy degree who have already earned the Doctor of Medicine degree may apply a maximum of 45 term hours of credit (one academic year) in the basic medical sciences toward the advanced degree.

### *School of Nursing*

The University of Oregon School of Nursing, located on the campus of the University of Oregon Medical School, Portland, offers two programs: the Bachelor of Science degree and the Master of Science in Nursing Education.

The Bachelor of Science degree is designed for two types of students: the student with no previous preparation in nursing, and the registered nurse student who is a graduate of a hospital or community college school of nursing.

*For the student nurse with no previous preparation in nursing*, the program is four academic years and one summer term. It prepares the student to become a professional nurse who gives total patient care in hospitals, public health agencies, and in the community, who assumes leadership of other nursing personnel, and who possesses the foundations for advanced study in teaching, supervision, administration and consultation.

For the freshman year, the student enrolls in an accredited college or university for study in liberal arts and basic sciences.

For the sophomore year, the student nurse transfers to the School of Nursing, Portland, where she continues her liberal arts studies along with professional nursing courses. Students receive courses in theory and clinical experience in all basic areas of nursing—medical, surgical, obstetrics, pediatrics, psychiatric, and public health nursing. The program's educational resources on campus are: The University of Oregon Medical School Hospital including Doernbecher Memorial Hospital for Children, Multnomah Hospital, the Outpatient Clinic, the Crippled Children's Division with the university-affiliated Child Development and Rehabilitation Center, and the University State Tuberculosis Hospital. The off-campus facilities that provide additional clinical experiences are: the Visiting Nurse Association; Oregon State Hospital, Salem; Portland State University; the Portland Continuation Center of the Division of Continuing Education; St. Vincent Hospital and Medical Center; Multnomah and Marion County Health Departments; Physicians and Surgeons Hospital and the U.S. Veterans Administration Hospital.

Students are admitted to the School of Nursing on or about June 15th, the beginning of Summer term. They are required to take the National League for Nursing Pre-nursing and Guidance Examination prior to admission.

*For the registered nurse student* entering the baccalaureate program, assessment is made of her previous preparation in nursing. Contingent upon the student's previous educational preparation, sequence of course and program design are modified to assure that she meets the same goals of the baccalaureate program.

The student in this program may be allowed some credits in nursing for previous work. It may be in the form of transfer credits from an associate degree program. The hospital school graduate is allowed credit in nursing on the basis of results of comprehensive examinations on selected nursing courses administered at the University of Oregon School of Nursing. The comprehensive examination is required

of all graduates of associate degree and hospital programs. The student who does not elect to challenge course content through equivalency examinations will take the same courses as the student without previous nursing preparation.

Courses in this program contribute to the broadening and strengthening of previous preparation and assist the student in developing increased professional competency. They do not lead to specialization but serve as a foundation for further professional education. The program provides a balance of general and professional education.

Students are admitted to the School of Nursing at the same time as students with no previous preparation for nursing. Students are required to take the National League for Nursing Graduate Nurse Examination prior to admission and file two official transcripts of their school of nursing record.

*The Master of Science in Nursing Education* is for collegiate nurses who have graduated from an accredited college or university and desire advanced professional preparation. A major in medical-surgical nursing is offered. The program is planned to prepare nurses for faculty positions. Students are required to take the Miller Analogies Test and the National League for Nursing Graduate Nurse Examination prior to admission.

A catalog containing detailed information about the programs of the School of Nursing may be obtained by writing to the Director, University of Oregon School of Nursing, Portland 97201.

## *Radiologic Technology*

The Department of Radiologic Diagnosis of the University of Oregon Medical School offers a two-year course of training for radiologic technologists. The course which was established in 1930, is approved by the Council on Medical Education and Hospitals of the American Medical Association and by the American Registry of Radiologic Technologists.

The minimum admission requirement is graduation from an accredited high school with a high scholastic rating; however, preference is given to applicants who have college training with credit in mathematics and physics.

No tuition is charged during the period of training; however, the student must provide his own books, supplies, uniforms, and incidental fees. During the second year the student receives a stipend of \$50.00 per month.

The course includes lectures in anatomy, physiology, physics, and X-ray equipment, and lectures and clinical experience in darkroom chemistry and procedures, X-ray techniques, positioning of patients, hospital ethics, record keeping, department operation, radiation therapy. Students receive clinical experience along with their lectures, during the two years of the course. Special emphasis on special procedure and emergency procedures is given in the second year. All instruction is under the direction of the chairman of the Department of Radiologic Diagnosis of the University of Oregon Medical School.

Eighteen to 20 students are admitted annually on July 5. Applications should be submitted to the Director of the course in Radiologic Technology, Department of Radiologic Diagnosis, University of Oregon Medical School Hospitals and Clinics.

The students are required to take the examination given nationally by the American Registry of Radiologic Technologists before completion of the two-year course.



## OTHER INSTRUCTIONAL PROGRAMS

### *Cytotechnology*

A twelve-month course in cytotechnology leading to A.S.C.P. certification as a cytotechnologist, is offered by the Medical School's department of pathology to students with a minimum of two years (60 semester or 90 quarter hours) of credit from an accredited college or university. Twelve semester or 18 quarter hours in biology must be included. Six students are accepted into the program, which is conducted in the cytology laboratories of the University of Oregon Medical School, on July 1 of each year. No tuition is charged. Each trainee receives uniforms, laundry and a stipend of \$200 per month during the twelve months of formal training. The program in cytotechnology is approved by the Council on Medical Education of the American Medical Association.

### *Hospital Dietetics*

The program in hospital dietetics offered in the University of Oregon Medical School Hospitals and Clinics was approved by the American Dietetic Association in 1943. The course provides the one year's internship in a hospital necessary to complete requirements for membership in the association.

The minimum admission requirement is graduation with a B.S. degree, including the academic requirements of the American Dietetic Association.

During the twelve-month training period at the Medical School, the student pays no tuition but provides her own supplies, including uniforms. Students receive complete maintenance and an allowance of \$200 per month.

Appointments are made once a year; applications should be submitted to the Director of Dietetics, University of Oregon Medical School Hospitals and Clinics, not later than March 1.

### *Internship and Residency Programs*

The internship programs of the University of Oregon Medical School Hospitals and Clinics are approved by the Council on Medical Education and Hospitals of the American Medical Association. Appointments are made through the National Internship Matching Program. All internship programs are twelve months in length and include a rotating internship with 36 positions, a straight internship in medicine with eight positions and a straight internship in pathology with one position. All patients in the hospitals and clinics are house cases and are under the personal care of an intern, who is responsible to the resident and attending faculty member responsible for the service. Internship appointments are effective June 26.

One of the important functions of a medical school is the training of physicians in the medical specialties. The demand for such training has greatly increased in recent years. In response, the Medical School residency program has been expanded to provide approximately 170 appointments. Residency training follows one year of internship and consists of two to five years of study devoted entirely to one specialized field of medicine. Instruction is given both in clinical departments and in related basic science departments of the School.

All residencies have received the approval of the Council on Medical Education and Hospitals of the American Medical Association and of the respective American boards. Residencies are offered in anesthesiology, cardiopulmonary surgery, dermatology, hematology, internal medicine, medical psychology, neurological surgery, neurology, obstetrics and gynecology, ophthalmology, orthopedics, otolaryngology, pathology (both clinical and anatomical), pediatrics, psychiatry, radiologic diagnosis, radiation therapy, general surgery and urology.

The following Portland hospitals cooperate with the Medical School in the residency programs: Emanuel Hospital, St. Vincent Hospital, Shriner's Hospital for Crippled Children, Good Samaritan Hospital, and Veterans Hospital.

Applications should be made to the chairman of the department concerned. Appointments are made six to eight months in advance of the beginning of the residency period, July 15.

### *Continuing Medical Education*

Physicians are motivated to pursue the scholarly habit of life-long learning because of their desire to provide the best possible care for patients. There are five basic ways these goals are achieved:

- a. The daily acquisition of new knowledge by reading carefully selected textbooks and periodicals.
- b. Frequent consultation with peers.
- c. Active participation in community hospital medical staff programs such as medical record audits and clinical pathologic conferences.
- d. Attending educational programs sponsored by learned professional societies such as the American Academy of General Practice and the American College of Physicians.
- e. Attending short postgraduate courses produced by medical schools, voluntary health agencies and hospitals.

In order to help the physician achieve this last objective, the Medical School makes its teaching and clinical facilities available for continued postgraduate study. An extensive postgraduate program has been arranged, consisting of a series of short intensive courses, usually of three to five days' duration. These courses are devoted to special subjects and are scheduled throughout the year. Instruction is by lectures, demonstrations, conferences, discussion groups, and patient presentations.

A 19-stop circuit course program is presented three times a year in Oregon, Idaho and Montana. The courses deal with heart disease, cancer, stroke, and related diseases and are financed by the Oregon Regional Medical Program. In addition, psychiatry circuit courses are held in 18 Oregon communities.

Enrollment is open to any physician who is licensed to practice in his state of residence.



# 6

## MEDICAL SCHOOL FACULTY



## *Executive Faculty*

Charles N. Holman, Dean of the Medical School; Joseph J. Adams, Clifford V. Allen, Michael D. Baird, Ralph C. Benson, Norman A. Bergman, John M. Brookhart, David D. DeWeese, Charles T. Dotter, Arthur W. Frisch, Jarvis Gould, M. Roberts Grover, Jr., Hance F. Haney, Tyra T. Hutchens, Richard T. Jones, Robert D. Koler, William W. Krippaehne, Howard P. Lewis, Walter C. Lobitz, Jr., Joseph D. Matarazzo, Richard D. Moore, Richard W. Olmsted, Harold T. Osterud, Anthony A. Pearson, William K. Riker, George Saslow, Richard L. Sleeter, Kenneth C. Swan, William A. Zimmerman.

## STANDING COMMITTEES OF THE FACULTY

*Admissions and Advanced Standing*—Hance F. Haney (Chairman), Robert L. Bacon, George C. Buchan, Joseph D. Matarazzo, Robert J. Meechan, Clifford S. Melynk, Dick B. Speight (ex officio)

*Animal Care*—Roy L. Swank (Chairman), William S. Fletcher, Monte A. Greer, M. Ronald Parelius, Bernard Pirofsky, Alfred J. Rampone, Marvin B. Rittenberg, Allan L. Rogers, Ralph D. Tanz, Wilbert R. Todd

*Clinical Grant Review and Investigational Drug*—Herbert A. Wendel (Chairman), Robert H. Bigley, Robert Campbell, Robert D. Fitzgerald, Stanley W. Jacob, Russell K. Lawson, M. Ronald Parelius, Arlen Quan

*Computer*—W. A. Zimmerman (Chairman), John M. Brookhart, John B. Isom, George I. Johnston, Max Kersbergen, Wilbur McNulty, Victor C. Marquardt, Jr., Walter A. Petersen, George A. Porter, William H. Prentice, David Phillips, Gary Rood, Archie Tunturi

*Curriculum and Schedule*—William W. Krippaehne (Chairman), John A. Benson, Jr., Paul H. Blachly, Howard W. Davis, John de Maria, Richard T. Jones, Ernest A. Meyer, Richard D. Moore, Harold T. Osterud, William Riker, Richard L. Sleeter, William E. Snell, John T. Van Bruggen, M. Roberts Grover, Jr. (ex officio), Joseph D. Matarazzo (ad hoc); *Students*: Edwin C. Cadman, Francis Kenyon, Ronald J. Sharp.

*Educational Methods*—Tyra Hutchens (Chairman), Paul Blachly, Hall Downes, Georgann Chase, M. Roberts Grover, Jr., Richard Herren, Herold Lillywhite, Arthur Seaman.

*Honors and Awards*—George C. Buchan (Chairman), Peter J. Dawson, Sam L. Meyer, Richard W. Olmsted, George Saslow

*Graduate Council*—John M. Brookhart (Chairman), David Gunberg, Terence Joys, Howard S. Mason, Joseph D. Matarazzo, Richard D. Moore, Maxine Patrick, Ralph D. Tanz, Joseph J. Adams (ex officio)

*Instructional Aids Advisory*—Kenneth A. Niehans (Chairman), Ralph C. Benson, John R. Campbell, Margaret Berroth, Richard Herren, Donald G. Kassebaum, Alan L. Morgenstern, Ralph E. Tuomi

*Internship Advisory*—John A. Benson, Jr. (Chairman), William S. Fletcher, Robert D. Koler, Michael Miller

*Jones Lectureship*—Herbert E. Griswold (Chairman), Tyra T. Hutchens, Anthony A. Pearson

*Library*—Wilbert R. Todd (Chairman), Morton Goodman, Noble Wiley Jones, John W. Kendall, George H. Lage, Walter C. Lobitz, Nelson R. Niles, Evelyn Schindler, Archie R. Tunturi, Herbert M. Woodcock

## EMERITUS FACULTY

*Patient*—William A. Zimmerman (Chairman), George I. Johnston, M. Ronald Parelius, Bernard Pirofsky, Benjamin B. Ross, Roy L. Swank, John T. Van Bruggen

*Planning Council*—Joseph J. Adams (Chairman), Jean E. Boyle, J. David Bristow, John M. Brookhart, Robert P. Burns, A. J. Clemons, Dallas G. Finnell, Kaye E. Fox, M. Roberts Grover, Jr., Tyra T. Hutchens, William W. Krippaehne, Harold T. Osterud, William H. Prentice, Richard L. Sleeter, Louis G. Terkla

*Radiation Safety*—Clifford V. Allen (Chairman), James Haines, Demetrios A. Rigas, Harry Shaich, John Van Bruggen, William Vermeere (ex officio)

*Research*—Robert D. Koler (Chairman), J. Peter Bentley, William S. Fletcher, James Metcalfe, Alfred J. Rampone, Roy L. Swank, Jack A. Vernon, M. Ronald Parelius (ex officio)

*Research Instrument Service*—Benjamin B. Ross (Chairman), David Gowing, Demetrios A. Rigas, John G. Roth

*Safety*—David W. Johnson (Chairman), Bill Kribs, William Jackson, Michael Litt, Gary Rood, Ralph Tuomi, James Whalen

*Scholarships*—William A. Zimmerman (Chairman), Clarence V. Hodges, Harold D. Paxton, Caroline H. Pommarane, William A. Stotler

*Student Faculty—Faculty Members*: J. David Bristow, (Chairman), Robert L. Bacon, Rodney Beals, Anthony E. Gallo, M. Roberts Grover, Jr., Robert J. Meechan, Ernest A. Meyer, Kenneth A. Niehans, William K. Riker, R. Mark Vetto  
Student members are elected for one- or two-year terms.

*Student Health Advisory*—David W. Johnson (Chairman), Anthony E. Gallo, Curtis Holzgang, Burritt W. Newton, Evelyn Shattuck, Christopher P. S. Williams. Student members: Patricia Berns, Barbara Lenfesty, William Marsh, Stephen Thomas

*Dean's Advisory Committee for the Veterans Hospital*—Charles N. Holman (Chairman), Jarvis Gould (Vice chairman and Secretary), Clifford V. Allen, Norman A. Bergman, David D. DeWeese, Charles T. Dotter, Tyra T. Hutchens, Robert D. Koler, William W. Krippaehne, Howard P. Lewis, Walter C. Lobitz, Jr., Richard D. Moore, George Saslow, Kenneth C. Swan, Louis G. Terkla

## *Emeritus Faculty*

**David W. E. Baird**, M.D., LL.D., Dean Emeritus.

M.D. (1926), Oregon; LL.D. (1946), University of Portland.

**Roderick E. Begg**, M.D., Associate Professor Emeritus of Orthopedics.

B.S. (1924), Oregon State; M.D. (1937), Oregon.

**Harry C. Blair**, M.D., Professor Emeritus of Orthopedics.

M.D. (1915), Oregon.

**Isidor C. Brill**, M.D., Professor Emeritus of Medicine.

B.A. (1912), M.D. (1914), Columbia.

**C. Elmer Carlson**, M.D., Professor Emeritus of Orthopedics.

A.B. (1917), Reed; M.D. (1920), Oregon.

**Aubrey M. Davis**, M.D., Associate Professor Emeritus of Medicine.

B.A. (1927), Stanford; M.D. (1929), Oregon.

MEDICAL  
SCHOOL  
FACULTY

- Henry H. Dixon, Sr.**, M.D., Professor Emeritus of Psychiatry.  
M.D. (1928), Washington University.
- Bertha B. Hallam**, B.A., Professor Emeritus, Library.  
B.A. (1931), Oregon.
- Blair Holcomb**, M.D., Professor Emeritus of Medicine.  
M.D. (1919), Rush (University of Chicago)..
- Arthur C. Jones**, M.D., Professor Emeritus of Physical Medicine and Rehabilitation.  
B.A. (1921), Pacific University; M.A. (1925), M.D. (1926), Oregon.
- Noble Wiley Jones**, M.D., Professor Emeritus of Medicine.  
A.B. (1895), Stanford; M.D. (1901), Rush (University of Chicago).
- A. Gurney Kimberly**, M.D., Associate Professor Emeritus of Orthopedics.  
B.S. (1929), M.D. (1930), Oregon; D.Sc. (1937), Columbia.
- Lyle B. Kingery**, M.D., Professor Emeritus of Medicine.  
B.S. (1912), M.D. (1916), Michigan.
- Merl L. Margason**, M.D., Professor Emeritus of Medicine.  
A.B. (1920), M.D. (1923), Oregon.
- Frank R. Menne**, M.D., Professor Emeritus of Pathology.  
B.S. (1913), Wisconsin; M.D. (1915), Rush (University of Chicago).
- Merle W. Moore**, M.D., Associate Professor Emeritus of Medicine.  
B.S. (1920), Oregon; M.D. (1924), Jefferson.
- Eugene W. Rockey**, M.D., Professor Emeritus of Surgery.  
B.A. (1908), Stanford; M.D. (1912), Harvard.
- Homer P. Rush**, M.D., Professor Emeritus of Medicine.  
M.A., M.D. (1921), Oregon.
- William H. Sheldon**, M.D., Ph.D., Professor Emeritus of Medicine.  
B.A. (1919), Brown; M.A. (1923), Colorado; Ph.D. (1925), M.D. (1933), Chicago.
- E. Merle Taylor**, M.D., Professor Emeritus of Ophthalmology.  
M.D. (1925), Iowa.
- Edward S. West**, Ph.D., Professor Emeritus of Biochemistry.  
A.B. (1917), Randolph-Macon; M.S. (1920), Kansas State; Ph.D. (1923), University of Chicago.

*Faculty\**

- †**John F. Abele**, M.D., Assistant Clinical Professor of Orthopedics (1946).  
B.A. (1930), M.D. (1934), Oregon.
- †**Stanley Abrams**, Ph.D., Lecturer in Medical Psychology (1969).  
B.A. (1956), Wilkes; M.A. (1957), Ph.D. (1961), Temple.
- †**Kenji Adachi**, M.D., Ph.D., Associate Professor of Dermatology (Primate Center) (1969).  
M.D. (1956), Yokahama; Ph.D. (1964), Tokyo.
- †**John C. Adams**, M.D., Clinical Professor of Surgery (1932).  
B.S. (1922), University of Washington; M.D. (1926), Oregon.
- Joseph J. Adams**, B.B.A., Assistant Dean; Professor (1951).  
B.B.A. (1949), Gonzaga.

\* The year in parentheses following the name of each faculty member indicates the date of original appointment to the faculty.

† Volunteer.

## FACULTY

- †**H. Victor Adix, M.D.**, Senior Clinical Instructor in Otolaryngology (1934).  
B.A. (1928), M.D. (1930), Oregon; M. Med. Sc. (1933), Pennsylvania.
- †**John P. Aitchison, Ph.D.**, Assistant Professor of Clinical Pathology (1969).  
B.A. (1957), British Columbia; Ph.D. (1969), California.
- †**Bennett Alberts, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1969).  
M.D. (1960), Nebraska.
- †**Phillip S. Alberts, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1964).  
B.A. (1953), M.D. (1958), Nebraska.
- †**Clifford V. Allen, M.D.**, Professor of Clinical Pathology (Radioisotopes) and Radiology (Therapy); Chairman, Department of Radiation Therapy (1955).  
M.D. (1933), Iowa.
- †**Richard Allen, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1970).  
B.A. (1958), Oregon; M.A. (1961), U.C.L.A.; M.D. (1965), New York Medical College.
- †**Mary J. Amdall, M.S.**, Instructor in Psychiatry (1970).  
B.S.N. (1968), South Dakota State; M.S. (1970), Maryland.
- †**Alan W. Ames, M.D.**, Clinical Instructor in Medicine (1968).  
B.A. (1956), Stanford; M.D. (1960), Yale.
- †**Patricia G. Amstadter, M.D.**, Clinical Instructor in Psychiatry (Child Psychiatry) (1969).  
B.A. (1959), Occidental; M.D. (1963), Northwestern.
- †**Richard P. Anderson, M.D.**, Assistant Professor of Cardiopulmonary Surgery (Veterans Hospital) (1970).  
B.S. (1956), M.D. (1959), University of Washington.
- †**Richard P. Andrews, M.D.**, Assistant Clinical Professor of Surgery (1963).  
B.S. (1949), Denison; M.D. (1953), Harvard.
- †**William F. Anderson, M.D.**, Clinical Instructor in Dermatology (1970).  
B.A. (1956), Pacific Lutheran; M.D. (1960), University of Washington.
- †**Carl G. Ashley, M.D.**, Assistant Clinical Professor of Pediatrics (1936).  
B.A. (1927), M.D. (1931), Oregon.
- †**Kurt W. Aumann, M.D.**, Associate Clinical Professor of Medicine (1948).  
B.S. (1936), Washington State; M.A. (1940), M.D. (1942), Oregon.
- †**William C. Awe, M.D.**, Assistant Clinical Professor of Surgery (1966).  
B.S. (1955), M.D. (1958), Baylor.
- †**S. Gorham Babson, M.D.**, Professor of Pediatrics (1941).  
B.S. (1933), M.D. (1936), Oregon.
- †**Benny Lee Bachulis, M.D.**, Clinical Instructor in Surgery (1968).  
B.S. (1956), M.D. (1960), Ohio.
- †**Robert L. Bacon, Ph.D.**, Professor of Anatomy (1955).  
B.S. (1940), Hamilton; Ph.D. (1944), Yale.
- †**Daniel M. Baer, M.D.**, Assistant Clinical Professor of Clinical Pathology (1970).  
B.A. (1953), Oberlin; M.D. (1957), New York Medical College.
- †**Paul Bailey, M.D.**, Clinical Professor of Otolaryngology (1929).  
M.D. (1925), Oregon.
- †**Paul F. Bailey, M.D.**, Assistant Clinical Professor of Ophthalmology (1958).  
B.S. (1951), Oregon State; M.D. (1953), Oregon.
- †**Richard E. Bailey, M.D.**, Associate Professor of Medicine (1961).  
B.A. (1951), M.D. (1955), Stanford.



MEDICAL  
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- Michael D. Baird, M.D.**, Medical Director and Administrator of Hospitals and Clinics; Professor of Medicine (1961).  
B.S. (1954), Reed; M.S., M.D., (1957), Oregon.
- †**Harvey W. Baker, M.D.**, Clinical Professor of Surgery (1953).  
B.A. (1939), Cornell; M.D. (1943), Columbia.
- †**Russel L. Baker, M.D.**, Senior Instructor in Neurology (Good Samaritan Hospital) (1968).  
A.B. (1930), M.D. (1934), Oregon.
- †**Cameron C. Bangs, M.D.**, Clinical Instructor in Medicine (1968).  
B.S. (1960), Massachusetts; M.D. (1964), Vermont.
- Mary Elizabeth Baptist, B.A.**, Senior Instructor in Clinical Pathology (Medical Technology) (1950).  
B.A. (1944), Montana State.
- †**Murray H. Bartley, D.M.D., Ph.D.**, Associate Professor of Dentistry (1970).  
D.M.D. (1958), Oregon; Ph.D. (1968), Utah.
- †**David M. Barton, M.D.**, Clinical Instructor in Continuing Medical Education (1970).  
A.B. (1953), B.S. (1954), M.D. (1956), Illinois.
- †**George S. Barton, M.D.**, Instructor in Neurology (Good Samaritan Hospital) (1968).  
B.A. (1955), Reed; M.D. (1956), Oregon.
- ‡**Michael S. Baskin, M.D.**, Clinical Instructor in Orthopedics (1967).  
M.D. (1961), University of Washington.
- †**John W. Bassett, M.D.**, Assistant Clinical Professor of Surgery (1954).  
B.S. (1943), Arkansas; M.D. (1944), Tulane.
- †**Jack E. Battalia, M.D.**, Clinical Instructor in Surgery (1954).  
B.A. (1945), Reed; M.D. (1946), Oregon.
- †**Peter J. Batten, M.D.**, Assistant Clinical Professor of Public Health and Preventive Medicine (1963).  
B.S. (1948), College of St. Thomas; M.S. (1950), Wayne State; M.D. (1956), Michigan; M.P.H. (1962), California.
- †**Samuel T. Beall, M.D.**, Associate Clinical Professor of Medicine (1954).  
A.B. (1940), Whitman; M.D. (1950), Louisville.
- Rodney K. Beals, M.D.**, Associate Professor of Orthopedics (1961).  
B.A. (1953), Willamette; M.D. (1956), Oregon.
- †**G. Donald Beardsley, M.D.**, Assistant Clinical Professor of Urology (1954).  
B.A. (1945), M.D. (1947), Oregon.
- †**Clarissa H. Beatty, Ph.D.**, Associate Professor of Biochemistry (Primate Center) (1953).  
B.A. (1941), Sarah Lawrence; M.S. (1942), Ph.D. (1945), Columbia.
- †**William S. Beck, M.D.**, Assistant Clinical Professor of Medicine (1960).  
B.S. (1949), M.D. (1952), Northwestern.
- †**Harry G. Beckwith, Jr., M.D.**, Assistant Clinical Professor of Surgery (1953).  
B.A. (1938), Reed; M.D. (1942), Oregon.
- †**Robert H. Bedrossian, M.D.**, Senior Clinical Instructor in Ophthalmology (1959).  
A.B. (1946), Haverford; M.D. (1947), Temple; M.Sc. (1953), Pennsylvania.
- †**Charles S. Belknap, M.D.**, Clinical Instructor in Medicine (1969).  
B.A. (1952), Yale; M.D. (1962), Oregon.

† Volunteer.

‡ Part-time.

## FACULTY

- Curtis C. Bell**, Ph.D., Assistant Professor of Neurology (Good Samaritan Hospital) (1969).  
B.A. (1959), Stanford; Ph.D. (1964), U.C.L.A.
- James B. Bell**, M.D., Clinical Instructor in Neurology (1967).  
B.A. (1959), Allegheny; M.D. (1963), Cornell.
- Mary Bell**, Ph.D., Assistant Professor of Experimental Biology and Associate Professor of Dermatology (Primate Center) (1964).  
A.B. (1958), Brown; Ph.D. (1965), Yale.
- Thomas T. Bennett**, M.D., Associate Clinical Professor of Psychiatry (1963).  
B.S. (1950), M.D. (1952), Oregon.
- William M. Bennett**, M.D., Assistant Professor of Medicine (1970).  
B.S. (1960), M.D. (1963), Northwestern.
- John A. Benson, Jr.**, M.D., Professor of Medicine; Head of Division of Gastroenterology (1959).  
B.A. (1943), Wesleyan; M.D. (1946), Harvard.
- Ralph C. Benson**, M.D., Professor of Obstetrics and Gynecology; Chairman of Department (1956).  
B.A. (1932), Lehigh; M.D. (1936), Johns Hopkins.
- Frederic H. Bentley**, M.D., Clinical Instructor in Surgery (1953).  
B.Sc. (1926), M.B., Ch.B. (1929), M.D. (1946), Manchester (England); F.R.C.S. (1932), Royal College of Surgeons.
- J. Peter Bentley**, Ph.D., Associate Professor of Biochemistry (1964).  
B.Sc. (1952), Royal College of Technology (England); M.S. (1961), Ph.D. (1963), Oregon.
- Arthur W. Berg**, M.D., Associate Clinical Professor of Medicine (1953).  
B.A. (1943), M.D. (1945), Oregon.
- Richard F. Berg**, M.D., Assistant Clinical Professor of Orthopedics (1935).  
A.B. (1923), M.D. (1926), Oregon.
- Norman A. Bergman**, M.D., Professor of Anesthesiology; Chairman of Department (1970).  
B.A. (1949), Reed; M.D. (1951), Oregon.
- Stanley F. Bergquist**, M.D., Clinical Instructor in Cardiopulmonary Surgery (1956).  
B.S. (Med) (1945), M.D. (1947), Illinois.
- Margaret E. Berroth**, M.D., Associate Professor of Clinical Pathology; Assistant Director of Educational Programs, Clinical Pathology (1966).  
Abitur (1947), Griefswald Lyceum; M.D. (1954), Heidelberg.
- John R. Berry**, M.D., Clinical Instructor in Pediatrics (1963).  
B.A. (1954), M.D. (1957), Stanford.
- Siegfried R. Berthelsdorf**, M.D., Associate Clinical Professor of Psychiatry (1957).  
B.A. (1934), M.A., M.D., (1939), Oregon.
- Fred W. Bieker**, M.D., Senior Clinical Instructor in Surgery (1966).  
B.S. (1956), M.D. (1958), Illinois.
- John C. Bigelow**, M.D., Assistant Clinical Professor of Cardiopulmonary Surgery (1966).  
B.A. (1952), Washington State; M.D. (1959), University of Washington.
- Robert H. Bigley**, M.D., Associate Professor of Medicine (1960).  
B.S. (1951), University of Washington; M.D. (1953), Oregon.

MEDICAL  
SCHOOL  
FACULTY

- Marcia Kepler Bilbao, M.D.**, Professor of Radiology (Diagnosis) (1961).  
B.S. (1952), Minnesota; M.D. (1957), Columbia.
- †**Daniel K. Billmeyer, M.D.**, Clinical Professor of Pediatrics (1956).  
B.S. (1943), M.D. (1946), Chicago.
- †**John David Bischel, M.D.**, Clinical Instructor in Psychiatry (1969).  
B.S. (1960), M.D. (1962), Oregon.
- †**Theodore M. Bischoff, M.D.**, Assistant Clinical Professor of Obstetrics and Gynecology (1948).  
B.A. (1937), Reed; M.D. (1939), Oregon.
- Paul H. Blachly, M.D.**, Professor of Psychiatry (1961).  
B.A. (1950), Reed; M.S., M.D. (1955), Oregon.
- John A. Black, Ph.D.**, Assistant Professor of Biochemistry and Medical Genetics (1968).  
B.S. (1961), Ph.D. (1964), University of Glasgow.
- †**Harold Raymond Blair, M.B.**, Assistant Clinical Professor of Pediatrics (1966).  
M.B. (1958), Queen's University of Belfast (Ireland).
- Robert W. Blakeley, Ph.D.**, Associate Professor of Speech Pathology in Pediatrics (1959).  
B.A. (1951), California; M.S. (1952), Oregon; Ph.D. (1958), Michigan.
- †**John A. Blanchard, M.D.**, Senior Clinical Instructor in Medicine (1954).  
B.S. (1941), Montana State; M.D. (1950), Oregon.
- Eugene Blank, M.D.**, Associate Professor of Radiology (Diagnosis) (1970).  
B.A. (1948), M.D. (1954), Johns Hopkins.
- †**Roderick C. Blatchford, M.D.**, Assistant Clinical Professor of Obstetrics and Gynecology (1938).  
A.B. (1927), Willamette; M.D. (1933), Oregon.
- †**Philip E. Blatt, M.D.**, Assistant Clinical Professor of Medicine (1954).  
B.S. (1953), Davidson; M.D. (1957), Baylor.
- †**Jack B. Blumberg, M.D.**, Senior Clinical Instructor in Surgery (1964).  
A.B. (1952), M.D. (1956), Stanford.
- †**Rose Mary Bocek, Ph.D.**, Assistant Professor of Biochemistry (Primate Center) (1957).  
B.S. (1946), Marylhurst; M.S. (1954), Ph.D. (1964), Oregon.
- †**Henry L. Boehnke, M.D.**, Associate Clinical Professor of Pediatrics (1962).  
B.S. (1953), M.D. (1955), Oregon.
- †**Charles R. Boge, M.D.**, Clinical Instructor in Orthopedics (1967).  
B.S. (1952), Oregon State; M.D. (1956), Oregon.
- †**Charles C. Boggs, M.D.**, Clinical Instructor in Psychiatry (1970).  
B.S. (1960), M.D. (1965), Oregon.
- †**Orville W. Boicourt, M.D.**, Assistant Clinical Professor of Medicine (1965).  
B.A. (1952), M.D. (1959), Kansas.
- †**Darrell C. Bollam, M.D.**, Senior Clinical Instructor in Surgery (1937).  
B.S. (1927), M.D. (1928), Oregon.
- †**Richard N. Bolton, M.D.**, Assistant Clinical Professor of Obstetrics and Gynecology (1961).  
B.S. (1951), Willamette; M.D. (1955), Oregon.
- †**Wilbur M. Bolton, M.D.**, Assistant Clinical Professor of Otolaryngology (1929).  
A.B. (1923), M.D. (1926), Oregon.

† Volunteer.  
‡ Part-time.

## FACULTY

- †**Douglas R. Bottomly, M.D.**, Clinical Instructor in Psychiatry (1968).  
B.S. (1953), Carroll; M.D. (1957), St. Louis.
- †**Jeanne Boucher-Leif, M.D.**, Clinical Instructor in Neurology (1968).  
B.S. (1948), Puget Sound; M.D. (1953), Women's Medical College of Pennsylvania.
- †**Christ Bouneff, D.M.D.**, Assistant Professor of Dentistry (1968).  
B.S. (1958), Portland State; B.S. (1962), D.M.D. (1964), Oregon; M.S. (1968), Georgetown.
- †**Harold Boverman, M.D.**, Associate Professor of Psychiatry (Child Psychiatry) and Pediatrics (1968).  
A.B. (1959), California; M.D. (1956), Chicago.
- †**Donald B. Bowman, M.D.**, Clinical Instructor in Medicine (1964).  
B.S. (1952), M.D. (1957), Oregon.
- †**Robert D. Boyd, Ph.D.**, Professor, Crippled Children's Division; Professor of Medical Psychology (1964).  
B.A. (1938), Linfield; M.A. (1941), Southern California; M.A. (1947), Ph.D. (1953), Michigan.
- †**Stanley A. Boyd, M.D.**, Clinical Instructor in Family Practice (1967).  
A.B. (1945), Willamette; M.D. (1949), Oregon.
- †**Allen M. Boyden, M.D.**, Clinical Professor of Surgery (1946).  
B.A. (1929), Oregon; M.D. (1932), M.S. (1937), Michigan.
- †**Thomas J. Boyden, M.D.**, Senior Clinical Instructor in Orthopedics (1953).  
B.A. (1944), M.D. (1946), Oregon.
- †**Donald A. Boye, M.D.**, Clinical Instructor in Family Practice (1967).  
B.S. (1957), Capital; M.D. (1960), Cincinnati.
- †**John Boyett, M.D.**, Assistant Professor of Medicine (Veterans Hospital) (1970).  
B.A. (1954) Davidson; M.D. (1958), North Carolina.
- †**George A. Boylston, M.D.**, Associate Clinical Professor of Medicine (1946).  
B.S. (1936), M.S. (1937), M.D. (1939), Northwestern.
- †**William J. Brady, M.D.**, Assistant Clinical Professor of Clinical Pathology (1965).  
B.S. (1953), Santa Clara; M.D. (1958), Oregon.
- †**James L. Bramhall, M.B.**, Associate Professor of Clinical Pathology (1962).  
M.B., Ch.B. (1951), Victoria University of Manchester Medical School (England).
- †**Gatlin Brandon, M.P.H.**, Senior Clinical Instructor in Public Health and Preventive Medicine (1967).  
B.S. (1938), Washington State; M.S. (1940), Oregon; M.P.H. (1949), Michigan.
- †**John O. Branford, M.D.**, Clinical Instructor in Anesthesiology (1959).  
B.A. (1936), Concordia; M.D. (1946), Oregon.
- †**Esmond Braun, M.D.**, Clinical Instructor in Surgery (1969).  
B.S. (1952), M.D. (1955), Wayne State.
- †**James D. Bray, M.D.**, Assistant Clinical Professor of Psychiatry (1966).  
B.A. (1954), Washburn; M.D. (1961), Kansas.
- †**Melvin W. Breese, M.D.**, Associate Clinical Professor of Obstetrics and Gynecology (1948).  
B.S. (1936), Oregon State; M.D. (1943), Oregon.
- †**Robert M. Brenner, Ph.D.**, Associate Professor of Experimental Biology (Primate Center) (1964).  
A.B. (1950), A.M. (1951), Ph.D. (1955), Boston.

MEDICAL  
SCHOOL  
FACULTY

- †**Malcolm I. Brewer**, M.D., Clinical Instructor in Ophthalmology (1970).  
B.A. (1960), Colorado; M.D. (1964), St. Louis.
- Gwynn C. Brice**, Administrative Director, Central Services, Outpatient Clinic  
Associate Professor (1946).
- †**Larry T. Brice**, M.D., Clinical Instructor in Medicine (1969).  
B.A. (1959), M.D. (1964), Oregon.
- †**Donald M. Brinton**, M.D., Clinical Instructor in Anesthesiology (1959).  
B.A. (1945), M.D. (1947), Oregon.
- John David Bristow**, M.D., Professor of Medicine (1960).  
B.A. (1949), Willamette; M.D. (1953), Oregon.
- †**Michael R. Britt**, M.D., Clinical Instructor in Public Health and Preventive  
Medicine (1970).  
A.B. (1963), Holy Cross; M.D. (1967), Vermont.
- †**Michael T. H. Brodeur**, M.D., Assistant Clinical Professor of Medicine (1965).  
B.A. (1952), M.D.C.M. (1956), McGill.
- †**Rosemary E. Brodie**, M.D., Clinical Instructor in Neurology (1968).  
B.A. (1948), Reed; M.D. (1952), Northwestern.
- John M. Brookhart**, Ph.D., Professor of Physiology; Chairman of Department  
(1949).  
B.S. (1935), M.S. (1936), Ph.D. (1939), Michigan.
- Robert E. Brooks**, Ph.D., Assistant Professor of Pathology (1961).  
B.S. (1948), California; Ph.D. (1967), Oregon.
- †**Charles C. Brown**, M.D., Clinical Instructor in Psychiatry (1965).  
B.S. (1954), Gonzaga; M.D. (1958), Jefferson.
- †**David J. Brown**, M.D., Clinical Instructor in Clinical Pathology (1963).  
B.A. (1952), M.D. (1956), Oregon.
- †**Paul M. Brown**, M.D., Senior Clinical Instructor in Surgery (1961).  
B.S. (1945), Oregon; M.D. (1949), Harvard; M.S. (1960), Minnesota.
- †**Robert J. Bruckner**, D.D.S., Professor of Dentistry (1960).  
D.D.S. (1944), Maryland; M.S. (1948), Western Reserve.
- Robert E. Brummett**, Ph.D., Associate Professor of Otolaryngology and Assist-  
ant Professor of Pharmacology (1964).  
B.S. (1959), M.S. (1960), Oregon State; Ph.D. (1964), Oregon.
- F. Robert Brush**, Ph.D., Professor of Medical Psychology (1965).  
B.A. (1951), Princeton; M.A. (1953), Ph.D. (1956), Harvard.
- George Colin Buchan**, M.D., Professor of Pathology; Head of Division of  
Neuropathology (1965).  
M.D. (1958), McGill.
- ‡**Melissa L. Buchan**, M.D., Clinical Instructor in Medicine (1966).  
A.B. (1957), Radcliffe; M.D. (1961), Pennsylvania.
- Bruce A. Buck**, M.D., Instructor in Surgery (1970).  
B.A. (1959), Montana State; M.D. (1963), Northwestern.
- ‡**McKenzie W. Buck**, Ph.D., Assistant Professor of Otolaryngology, Speech  
Pathology (Portland Center for Hearing and Speech) (1966).  
B.A. (1946), Denver; M.A. (1948), Ph.D. (1951), Iowa.
- Neil R. M. Buist**, M.B., Ch.B., Associate Professor of Pediatrics and Medical  
Genetics (1966).  
M.B., Ch.B. (1956), University of St. Andrews (Scotland).

† Volunteer.

‡ Part-time.

## FACULTY

- † **Denis R. Burger**, Ph.D., Assistant Professor of Microbiology (Veterans Hospital) (1969).  
B.A. (1965), California (Berkeley); M.S. (1968), Ph.D. (1969), Arizona.
- † **Paul R. Burgner**, M.D., Clinical Professor of Medicine (1956).  
B.S. (1948), M.D. (1952), Oregon.
- Robert P. Burns**, M.D., Associate Professor of Ophthalmology (1959).  
B.S. (1945), Portland; M.D. (1947), Oregon.
- † **William Y. Burton**, M.D., Clinical Professor of Radiology (Diagnosis) (1940).  
A.B. (1931), B.S. (1933), Missouri; M.D. (1936), Washington University.
- † **John W. Bussman**, M.D., Associate Clinical Professor of Pediatrics (1954).  
B.S. (1946), M.B. (1947), M.D. (1948), Minnesota.
- † **Bruce V. Butler**, Ph.D., Associate Professor of Medical Psychology (1960).  
B.A. (1954), Ph.D. (1960), U.C.L.A.
- † **John L. Butler**, M.D., Associate Clinical Professor of Psychiatry (1958).  
B.S. (1942), Idaho; M.D. (1946), Johns Hopkins.
- John R. Campbell**, M.D., Associate Professor of Pediatric Surgery; Head of Division (1967).  
B.A. (1954), M.D. (1958), Kansas.
- † **Mary C. Campbell**, B.A., Clinical Instructor in Clinical Pathology (Medical Technology) (1968).  
B.A. (1944), Vassar.
- † **Nathan J. Campbell**, M.D., Assistant Clinical Professor of Surgery (1950).  
M.D. (1949), Temple.
- † **Paul Campbell**, M.D., Assistant Clinical Professor of Orthopedics (1956).  
B.A. (1945), M.D. (1949), Stanford; M.S. (1955), Michigan.
- Robert A. Campbell**, M.D., Associate Professor of Pediatrics (1961).  
B.A. (1954), M.D. (1958), California.
- † **W. Leigh Campbell**, M.D., Assistant Clinical Professor of Ophthalmology (1962).  
B.S. (1952), M.D. (1955), Oregon.
- Leroy O. Carlson**, M.D., Associate Professor of Pediatrics; Associate Professor, Crippled Children's Division (1961).  
B.S. (1940), University of Washington; M.D. (1942), Michigan.
- † **Gordon A. Caron**, M.B., Assistant Clinical Professor of Dermatology (1967).  
B.A. (1953), M.A. (1956), Cambridge; M.B. (1956), University College Hospital School (London).
- \* **Wilma L. Carson**, M.D., Assistant Professor of Pediatrics; Assistant Professor, Crippled Children's Division (1963).  
B.S. (1955), Chestnut Hill; M.D. (1959), Women's Medical College of Pennsylvania.
- C. Conrad Carter**, M.D., Professor of Neurology (1956).  
B.A. (1946), Reed; M.D. (1948), Oregon.
- Laurel Case**, M.D., Assistant Professor of Family Practice; Head of Division (1969).  
M.D. (1949), Kansas.
- † **Raymond A. Case, Jr.**, M.D., Assistant Clinical Professor of Orthopedics (1959).  
M.D. (1947), Hahnemann.

† Volunteer.

† Part-time.

\* Leave of absence September 1, 1970 to August 31, 1971.

MEDICAL  
SCHOOL  
FACULTY

- †**Charles E. Catlow, Jr., M.D.**, Clinical Instructor in Urology (1949).  
B.S. (1943), Portland; M.D. (1944), Oregon.
- †**Richard E. Cavalli, M.D.**, Clinical Instructor in Pediatrics (1968).  
B.S. (1957), Portland; M.D. (1961), Oregon.
- Patricia A. Chadwick, B.S.**, Instructor in Clinical Pathology (Medical Technology) (1966).  
B.S. (1950), Massachusetts.
- †**George E. Chamberlain, M.D.**, Clinical Professor of Otolaryngology (1947).  
B.A. (1936), M.D. (1938), Oregon.
- †**Charles K. Chapman, M.D.**, Clinical Instructor in Family Practice (1966).  
B.S. (1952), Oregon College of Education; M.D. (1964), Oregon.
- †**Allan K. Chappell, M.D.**, Assistant Clinical Professor of Pediatrics (1964).  
B.S. (1948), M.D. (1951), Oregon.
- †**Bruce R. Chenoweth, M.D.**, Assistant Clinical Professor of Dermatology (1956).  
B.S. (1947), M.D. (1949), Oregon.
- †**Howard L. Cherry, M.D.**, Clinical Instructor in Orthopedics (1950).  
M.D. (1943), Oregon.
- †**Clarence L. Chester, M.D.**, Assistant Clinical Professor of Pathology (1962).  
B.S. (1937), M.D. (1940), Vermont.
- †**John B. Chester, Jr., M.D.**, Clinical Instructor in Orthopedics (1969).  
B.A. (1952), Austin; M.D. (1957), Texas (Dallas).
- †**Jack L. Chitty, M.D.**, Clinical Instructor in Medicine (1966).  
B.S. (1955), Bradley; M.D. (1959), Illinois.
- †**Oscar C. Chowning, Jr., M.D.**, Clinical Instructor in Otolaryngology (1963).  
B.A. (1953), M.D. (1956), Kansas.
- Leonard Christensen, M.D.**, Associate Professor of Ophthalmology (1950).  
B.A. (1937), Oregon State; M.D. (1941), M.S. (1949), Oregon.
- †**Eldon G. Chuinard, M.D.**, Clinical Professor of Orthopedics (1938).  
B.A. (1926), Puget Sound; M.D. (1934), Oregon.
- †**McGregor L. Church, M.D.**, Clinical Instructor in Orthopedics (1966).  
A.B. (1951), Stanford; M.D. (1956), Oregon.
- Andrea Brigitte Cibis, M.D.**, Instructor in Ophthalmology (1970).  
B.A. (1962), M.D. (1966), Washington University.
- †**Calvin C. Clark, M.D.**, Clinical Instructor in Pediatrics (1968).  
B.A. (1959), University of Washington; M.D. (1963), Tufts.
- William M. Clark, Jr., M.D.**, Professor of Pediatrics (1954).  
B.A. (1946), Baker; M.D. (1949), Chicago.
- †**Winfred H. Clarke, M.D.**, Clinical Instructor in Orthopedics (1957).  
B.S., M.B., M.D. (1941), Minnesota.
- ‡**Quentin D. Clarkson, Ph.D.**, Associate Professor of Neurology (1968).  
B.S. (1949), M.S. (1950), Oregon; Ph.D. (1955), Oregon State.
- †**Donald L. Cleland, M.D.**, Assistant Clinical Professor of Surgery (1966).  
B.A. (1954), Stanford; M.S., M.D. (1958), Oregon.
- †**John E. Cleland, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1966).  
B.A. (1952), M.D. (1957), Oregon.
- †**John G. P. Cleland, M.D.**, Senior Clinical Instructor in Surgery (1948).  
M.D., C.M. (1924), M.S. (1926), McGill.

† Volunteer.  
‡ Part-time.

## FACULTY

- A. J. Clemons**, Director of Facilities Planning; Professor (1950).
- Keith M. Clisby**, M.D., Clinical Instructor in Surgery (1947).  
B.S. (1929), Oregon State; M.D. (1934), Oregon.
- Quinten W. Cochran**, M.D., Associate Clinical Professor of Pediatrics (1960).  
B.A. (1940), Reed; M.D. (1943), Oregon.
- Terence H. Cochran**, M.D., Assistant Clinical Professor of Pathology (1960).  
B.S. (1939), Oregon State; M.D. (1941), Oregon.
- Charles W. Coffen**, M.D., Assistant Clinical Professor of Medicine (1941).  
B.S. (1932), Stanford; M.D. (1936), Johns Hopkins.
- Lawrence J. Cohen**, M.D., Senior Clinical Instructor in Orthopedics (1950).  
B.S. (1930), M.D. (1934), Maryland.
- William Cohen**, M.D., Senior Clinical Instructor in Medicine (1946).  
B.A. (1931), Reed; M.D. (1935), Oregon.
- Ralph O. Coleman, Jr.**, Ph.D., Associate Professor of Speech Pathology, Crippled Children's Division (1966).  
B.S. (1954), Oregon State; M.S. (1960), Oregon; Ph.D. (1963), Northwestern.
- Emerson J. Collier**, M.D., Assistant Clinical Professor of Urology (1956).  
B.S. (1941), Alaska; M.D. (1944), Oregon.
- Richard E. Collins**, M.S.W., Assistant Professor of Psychiatry (Psychiatric Social Work) (1969).  
B.S. (1960), Oregon; M.S.W. (1962), University of Washington.
- Hugh Donald Colver**, M.D., Senior Clinical Instructor in Surgery (1950).  
B.A. (1940), College of Idaho; M.D. (1943), Oregon.
- William S. Conklin**, M.D., Clinical Professor of Cardiopulmonary Surgery (1943).  
A.B. (1931), Dartmouth; M.D. (1934), Pennsylvania.
- Reid S. Connell, Jr.**, Ph.D., Assistant Professor of Anatomy and Neurology (1966).  
B.S. (1959), M.S. (1962), Oregon State; Ph.D. (1967), Oregon.
- Ronald H. Copeland** M.D., Clinical Instructor in Obstetrics and Gynecology (1970).  
B.A. (1959), M.D. (1963), Colorado.
- Raymond S. Corwin**, M.D., Clinical Instructor in Obstetrics and Gynecology (1968).  
B.S. (1957), M.S. (1960), Michigan State; M.D. (1963), Bowman Gray.
- George W. Cottrell**, M.D., Senior Clinical Instructor in Orthopedics (1949).  
B.A. (1937), Oregon State; M.D. (1939), Oregon.
- Robert C. Cowger**, M.D., Assistant Clinical Professor of Ophthalmology (1959).  
M.D. (1944), Nebraska.
- Eric W. S. Craig**, M.D., Clinical Instructor in Medicine (1969).  
B.S. (1957), Oregon State; M.D. (1964), Oregon.
- William E. Creighton**, D.D.S., Clinical Instructor in Public Health and Preventive Medicine (1967).  
D.D.S. (1957), Creighton; M.P.H. (1960), North Carolina.
- Rodney L. Crislip**, M.D., Assistant Clinical Professor of Medicine (1963).  
B.A. (1953), Lehigh; M.D. (1957), Western Reserve.
- Leland L. Cross**, M.D., Assistant Clinical Professor of Neurology (Rehabilitation) (1967).  
B.S. (1948), Illinois; M.D. (1952), Northwestern; M.P.H. (1965), U.C.L.A.



MEDICAL  
SCHOOL  
FACULTY

- †**Frank W. Crowe, M.D.**, Associate Clinical Professor of Dermatology (1957).  
B.S. (1941), Idaho; M.D. (1949), Utah.
- Lillian T. Cunningham, M.P.H.**, Instructor, Crippled Children's Division (1968).  
B.S. (1964), Tuskegee; M.P.H. (1966), California.
- †**Ralph Garr Cutler, M.D.**, Clinical Instructor in Surgery (1968).  
B.S. (1953), M.D. (1960), Utah.
- †**Joyle Dahl, M.D.**, Associate Clinical Professor of Dermatology (1932).  
B.A. (1926), M.D. (1930), Oregon.
- †**James E. Dahlman, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1968).  
B.A. (1957), Albion; M.D. (1961), Michigan.
- †**Marvin L. Darsie, Jr., M.D., Ph.D.**, Assistant Professor of Anesthesiology (Veterans Hospital) (1968).  
B.A. (1934), U.C.L.A.; Ph.D. (1939), Stanford; M.D. (1947), Southern California.
- \*†**Robert I. Daugherty, M.D.**, Associate Clinical Professor of Psychiatry and Clinical Instructor in Family Practice (195).  
B.S. (1951), M.D. (1953), Oregon.
- †**Betty Jo Davenport, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1964).  
B.S. (1957), Southern California; M.D. (1959), Oregon.
- Norman A. David, M.D.**, Professor of Pharmacology (1937).  
A.B. (1925), M.D. (1931), California.
- †**Edward W. Davis, M.D.**, Associate Clinical Professor of Neurosurgery (1958).  
A.B. (1935), M.D. (1939), California.
- †**Harold E. Davis, M.D.**, Assistant Clinical Professor of Orthopedics (1946).  
B.A. (1936), M.D. (1940), Oregon.
- Howard W. Davis, Ph.D.**, Assistant Professor of Anatomy (1966).  
B.S. (1956), M.S. (1959), Ph.D. (1969), Oregon.
- †**Joe B. Davis, M.D.**, Clinical Professor of Orthopedics (1941).  
B.A. (1930), Willamette; M.D. (1934), Oregon.
- Peter J. Dawson, M.D.**, Professor of Pathology (1964).  
B.A. (1949), M.B., B.Chir. (1952), M.A. (1953), Cambridge; D.C.P. (1955), London  
M.D. (1960), Cambridge.
- †**Jerome H. Dayton, M.D.**, Clinical Instructor in Pediatrics (1966).  
B.A. (1954), St. Olaf; M.D. (1958), Minnesota.
- †**Enrique M. deCastro, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1961).  
B.S. (1951), Loyola; M.D. (1957), Universidad Nacional Autonoma de Mexico.
- †**John M. Deeney, M.D.**, Assistant Clinical Professor of Psychiatry (1969).  
A.B. (1956), Stanford; M.D. (1960), Oregon.
- †**Conrad A. DeLateur, M.D.**, Clinical Instructor in Dermatology (1961).  
B.S. (1936), Oregon State; M.D. (1940), Oregon.
- F. John de Maria, M.D.**, Associate Professor of Obstetrics and Gynecology (1966).  
M.D. (1952), Malta.
- †**Lionel H. deMontigny, M.D.**, Clinical Instructor in Public Health and Preventive Medicine (1968).  
B.S. (1959), North Dakota; M.D. (1961), Wisconsin; M.P.H. (1965), Oklahoma.

† Volunteer.

\* Leave of absence.

## FACULTY

- † **D. Duane Denney**, M.D., Associate Professor of Psychiatry (1962).  
B.A. (1953), Willamette; M.S., M.D. (1957), Oregon.
- Daniel L. Dennis**, M.D., Associate Professor of Surgery (1965).  
B.S. (1956), M.S., M.D. (1958), Oregon.
- † **John P. Dennis**, M.D., Clinical Instructor in Neurosurgery (1959).  
B.S. (1949), Oregon State; M.D. (1951), Oregon.
- David D. DeWeese**, M.D., Professor of Otolaryngology; Chairman of Department (1944).  
A.B. (1934), M.D. (1938), Michigan.
- † **Peter DeWitt**, M.D., Clinical Instructor in Family Practice (1955).  
B.A. (1939), Union; M.D. (1943), Cornell.
- † **Howard R. Dewey**, Ph.D., Assistant Professor of Neurology (Good Samaritan Hospital) (1968).  
B.A. (1949), Lewis and Clark; M.S.W. (1954), University of Washington; Ph.D. (1959), Denver.
- † **Arch W. Diack**, M.D., Senior Clinical Instructor in Surgery (1937).  
A.B. (1929), Dartmouth; M.D. (1933), Michigan.
- † **H. Lenox H. Dick**, M.D., Clinical Instructor in Neurology (1950).  
A.B. (1941), Pennsylvania; M.D. (1944), Jefferson.
- † **Herman A. Dickel**, M.D., Clinical Professor of Psychiatry (1942).  
B.A. (1933), Montana State; M.B. (1937), M.D. (1938), Northwestern.
- † **Harry B. Ditmore**, M.D., Senior Clinical Instructor in Pediatric Surgery (1964).  
M.D. (1953), Harvard.
- † **Jeri L. Dobbs**, B.S., Instructor in Cardiopulmonary Surgery (1968).  
B.S. (1964), Pacific.
- † **Richard B. Dobrow**, M.D., Clinical Instructor in Medicine (1969).  
A.B. (1958), M.D. (1962), Harvard.
- † **Donald P. Dobson**, M.D., Clinical Instructor in Anesthesiology (1957).  
M.D. (1950), Boston University.
- † **Richard L. Dobson**, M.D., Professor of Dermatology (1961).  
M.D. (1953), Chicago.
- † **Wilson C. Dockery**, B.S., Student Activities Building Director; Assistant Professor (1960).  
B.S. (1937), Oregon State.
- † **John H. Donnelly**, M.D., Assistant Clinical Professor of Public Health and Preventive Medicine (1966).  
S.B. (1942), M.D. (1946), Chicago; M.P.H. (1958), California.
- † **Charles T. Dotter**, M.D., Professor of Radiology (Diagnosis); Chairman of Department (1952).  
B.A. (1941), Duke; M.D. (1944), Cornell.
- † **Gordon L. Doty**, M.D., Clinical Instructor in Medicine (1967).  
B.S. (1952), Michigan State; M.D. (1956), Wayne State.
- † **Robert Preston Doughton**, M.D., Clinical Instructor in Obstetrics and Gynecology (1968).  
B.A. (1957), M.D. (1959), Oregon.
- † **Darrel D. Douglas**, B.S., Senior Clinical Instructor in Environmental Medicine (1965).  
B.S. (1954), University of Washington.

MEDICAL  
SCHOOL  
FACULTY

- †**Robert S. Dow, M.D., Ph.D., D.Sc.**, Professor of Neurology (Good Samaritan Hospital) (1939).  
B.S. (1929), Linfield; M.A. (1934), M.D. (1934), Ph.D. (1935), Oregon; D.Sc. (1963), Linfield.
- Hall Downes, M.D., Ph.D.**, Assistant Professor of Pharmacology (1969).  
B.A. (1955), M.D. (1959), Harvard; Ph.D. (1969), Utah.
- †**Richard F. Drake, M.D.**, Clinical Instructor in Medicine (1965).  
B.A. (1955), Willamette; M.D. (1959), Oregon.
- †**William E. Drips, Jr., M.D.**, Clinical Instructor in Medicine (1964).  
B.S. (1956), M.D. (1958), Oregon.
- Hilda E. Drum**, Professor of Radiologic Technology (1954).
- Raphael B. Durfee, M.D.**, Professor of Obstetrics and Gynecology (1957).  
B.A. (1939), M.D. (1944), Stanford.
- †**Harold P. Dygert, Jr., M.D.**, Clinical Instructor in Medicine (1956).  
B.A. (1941), Rochester; M.D. (1950), Syracuse.
- †**Arthur L. Eckhardt, M.D.**, Clinical Instructor in Orthopedics (1966).  
B.A. (1951), Stanford; M.D. (1957), Oregon.
- †**Zanley C. Edelson, M.D.**, Clinical Instructor in Surgery (1948).  
B.A. (1935), Oregon State; M.D. (1938), Oregon.
- †**Donald Edwards, M.D.**, Clinical Instructor in Medicine (1967).  
B.S. (1955), Oregon State; M.D. (1959), Oregon.
- Miles J. Edwards, M.D.**, Professor of Medicine; Head of Division of Chest Diseases (1964).  
B.A. (1951), Willamette; M.S., M.D., (1956), Oregon.
- †**Thomas A. Edwards, M.D.**, Clinical Instructor in Orthopedics (1963).  
B.A. (1950), Williams; M.D. (1954), Cornell.
- †**Lester H. Eisendorf, M.D.**, Clinical Instructor in Surgery (1950).  
B.S. (1935), M.D. (1938), Illinois.
- Jerry O. Elder, M.A.**, Assistant Professor and Business Manager, Crippled Children's Division (1969).  
B.A. (1961), Michigan State; M.A. (1965), Iowa.
- †**Morton G. Eleff, M.D.**, Associate Clinical Professor of Pediatrics (1962).  
B.S. (1950), M.D. (1955), Western Reserve.
- †**John H. Ellison, M.D.**, Clinical Instructor in Medicine (1965).  
B.S. (1956), Oregon State; M.D. (1959), Oregon.
- †**Roy J. Ellsworth, M.D.**, Clinical Instructor in Ophthalmology (1970).  
B.A. (1953), M.D. (1957), Oregon.
- †**Richard P. Embick, M.D.**, Clinical Instructor in Orthopedics (1962).  
B.A. (1942), M.D. (1943), Wisconsin.
- †**Lee E. Emery, Jr., D.M.D.**, Assistant Professor of Dentistry (1969).  
D.M.D. (1963), Oregon.
- †**Joseph L. Emmerich, M.D.**, Assistant Clinical Professor of Pediatrics (1966).  
B.S. (1957), M.D. (1959), Illinois.
- †**Walter R. Enders, M.D.**, Assistant Clinical Professor of Ophthalmology (1960).  
B.A. (1945), M.D. (1947), Oregon.
- Rudolph C. H. Engel, M.D.**, Professor of Pediatrics (1952).  
M.D. (1929), University of Bonn (Germany); M.S., M.D. (1949), Minnesota.

## FACULTY

- John M. Epley, M.D.**, Clinical Instructor in Otolaryngology (1965).  
M.S. (1953), M.D. (1957), Oregon.
- †Peter A. Erbguth, M.D.**, Instructor in Anesthesiology (1970).  
M.D. (1964), Würzburg.
- †Wayne G. Ericksen, M.D.**, Associate Clinical Professor of Radiology (Diagnosis) (1950).  
B.A. (1944), Stanford; M.D. (1946), Oregon.
- Eldon L. Erickson, M.D.**, Clinical Instructor in Medicine (1966).  
B.A. (1957), Willamette; M.D. (1960), Oregon.
- LeRoy F. Erickson, D.V.M.**, Veterinarian, Department of Animal Care; Assistant Professor (1962).  
B.S. (1956), Lewis; B.S. (Vet. Med.) (1958), D.V.M. (1960), Illinois.
- †Joseph H. Eusterman, M.D.**, Clinical Instructor in Medicine (1968).  
B.A. (1952), B.S., M.D. (1957), Minnesota; M.S. (1962), Mayo.
- Arden E. Evanger, M.D.**, Instructor in Pathology (Veterans Hospital) (1969).  
B.A. (1956), M.D. (1960), University of Washington.
- William B. Evans, M.D.**, Clinical Instructor in Medicine (1966).  
B.S. (1956), Long Island; M.D. (1961), Virginia.
- †Edwin C. Everts, M.D.**, Assistant Professor of Otolaryngology (1970).  
B.A. (1958), Willamette; M.D. (1962), Oregon.
- †Job Faber, Ph.D.**, Associate Professor of Physiology (1966).  
M.B. (1960), Amsterdam; Ph.D. (1963), Western Ontario.
- †Charles A. Fagan, M.D.**, Senior Clinical Instructor in Orthopedics (1960).  
B.A. (1951), Reed; M.D. (1955), Oregon.
- †Philip John Fagan, M.D.**, Assistant Professor of Orthopedics (Veterans Hospital) (1970).  
M.D. (1942), Creighton.
- Thomas E. Fagan, M.D.**, Clinical Instructor in Orthopedics (1969).  
B.A. (1957), St. Mary's (California); M.D. (1961), Oregon.
- †Wolf H. Fahrenbach, Ph.D.**, Associate Professor of Experimental Biology (Primate Center) (1963).  
B.A. (1954), California; Ph.D. (1961), University of Washington.
- †William F. Farr, M.D.**, Clinical Instructor in Ophthalmology (1968).  
B.S. (1956), Willamette; M.D. (1960), Oregon.
- †Warren H. Fay, Ph.D.**, Associate Professor of Speech Pathology, Pediatrics (1962).  
B.A. (1951), Colorado State; M.Ed. (1959), Oregon; Ph.D. (1963), Purdue.
- Clifford L. Fearl, M.D.**, Associate Clinical Professor of Obstetrics and Gynecology (1940).  
B.A. (1930), Montana State University; M.D. (1935), Kansas.
- †Meggy Copple Ferry, M.D.**, Assistant Professor of Pediatrics and Neurology; Assistant Professor, Crippled Children's Division (1966).  
B.S. (1956), M.D. (1959), Oregon.
- †Nick H. Fellman, Ph.D.**, Professor of Biochemistry (1955).  
B.A. (1948), M.A. (1952), Ph.D. (1954), Kansas.
- †James W. Fergus, M.D.**, Assistant Clinical Professor of Obstetrics and Gynecology (1963).  
B.S. (1954), M.D. (1957), Nebraska.

†volunteer.  
‡part-time.

MEDICAL  
SCHOOL  
FACULTY

- †**Charles Ferguson, M.D.**, Associate Clinical Professor of Urology (1961).  
B.A. (1919), College of Idaho; M.A., M.D. (1922), Oregon.
- Ruby Fields, M.S.**, Instructor, Crippled Children's Division (1969).  
B.A. (1948), Western State (Colorado); M.S. (1969), Portland State.
- ‡**Leon J. Fine, Ph.D.**, Associate Clinical Professor of Psychiatry (Group Processes) (1966).  
B.A. (1952), Ph.D. (1967), Washington University.
- †**Hans F. Fink, M.D.**, Assistant Clinical Professor of Psychiatry (1963).  
M.D. (1945), Friedrich-Wilhelms, University of Berlin.
- Dallas G. Finnell, B.S.**, Director of Development; Assistant Professor (1969).  
B.S. (1954), Lewis and Clark.
- †**Robert E. Fischer, M.D.**, Assistant Clinical Professor of Ophthalmology (1952).  
B.A. (1944), Oregon State; M.D. (1946), Oregon.
- Thelma N. Fisher, Ph.D.**, Associate Professor of Pathology (1966).  
A.B. (1942), Missouri; M.A. (1948), Kansas; Ph.D. (1953), Southern California.
- †**William A. Fisher, M.D.**, Clinical Instructor in Family Practice (1970).  
M.D. (1949), Oregon.
- †**H. Freeman Fitch, M.D.**, Assistant Clinical Professor of Orthopedics (1958).  
B.A. (1946), M.A. (1947), British Columbia; M.D. (1951), Oregon.
- Robert D. Fitzgerald, Ph.D.**, Professor of Medical Psychology (1962).  
B.A. (1958), M.A. (1959), South Dakota; Ph.D. (1962), Indiana.
- †**Latham Flanagan, M.D.**, Clinical Instructor in Surgery (1968).  
M.D. (1961), Duke.
- †**John R. Flanery, M.D.**, Assistant Clinical Professor of Medicine (1956).  
B.S. (1948), M.D. (1952), Oregon.
- †**John T. Flaxel, M.D.**, Clinical Instructor in Ophthalmology (1969).  
B.A. (1958), M.D. M.S. (1963), Oregon.
- †**Donald G. Fleetwood, D.D.S.**, Assistant Professor of Dentistry (1967).  
D.D.S. (1959), Northwestern.
- †**J. Kenneth Fleshman, M.D.**, Clinical Instructor in Pediatrics (1967).  
M.D. (1958), Southern California.
- William S. Fletcher, M.D.**, Professor of Surgery (1960).  
A.B. (1952), Dartmouth; M.D. (1955), Harvard.
- †**Lynd L. Folts, M.D.**, Clinical Instructor in Pediatrics (1961).  
B.S. (1937), University of Washington; M.D. (1943), Oregon.
- †**Max A. Forse, M.D.**, Assistant Professor of Medicine (Veterans Hospital) (1964).  
B.S. (1930), M.S., M.D. (1934), Würzburg (Germany).
- †**Donald E. Forster, M.D.**, Assistant Clinical Professor of Medicine (1939).  
A.B. (1931), Colgate; M.D. (1935), Harvard.
- †**Donald W. Fortlage, M.D.**, Clinical Instructor in Pediatrics (1969).  
A.B. (1959), California; M.D. (1963), Southern California.
- †**Byron L. Fortsch, M.D.**, Clinical Instructor in Otolaryngology (1961).  
B.A. (1953), Willamette; M.D. (1957), Oregon.
- †**Paul D. Foster, M.D.**, Senior Clinical Instructor in Surgery (1967).  
B.A. (1955), M.D. (1958), Iowa.

† Volunteer.

‡ Part-time.

## FACULTY

- †**Everill W. Fowls, M.D.**, Assistant Professor of Physical Medicine and Rehabilitation (Veterans Hospital) (1966).  
B.A. (1925), Utah; M.D. (1935), Colorado.
- †**Kaye E. Fox, Ph.D.**, Assistant Professor of Pharmacology (1964).  
B.S. (1954), Michigan; Ph.D. (1964), Stanford.
- †**Thomas J. Fox, M.D., J.D.**, Associate Clinical Professor of Public Health and Preventive Medicine (1950).  
B.S. (1937), Portland; M.D. (1941), Oregon; M.S. (1950), Tulane; J.D. (1967), Northwestern School of Law.
- †**Alan Frankel, Ph.D.**, Clinical Instructor in Psychiatry (Psychology) (1970).  
A.B. (1954), Brooklyn; Ph.D. (1964), Texas.
- †**Herman M. Frankel, M.D.**, Clinical Instructor in Pediatrics (1968).  
A.B. (1958), M.D. (1962), Columbia.
- †**Richard W. Franklin, M.D.**, Assistant Clinical Professor of Obstetrics and Gynecology (1955).  
B.S. (1945), M.D. (1948), Oregon.
- †**Clifford A. Fratzke, M.D.**, Instructor in Medicine (1963).  
M.D. (1931), Iowa.
- †**W. Ronald Frazier, M.D.**, Assistant Clinical Professor of Obstetrics and Gynecology (1932).  
B.S. (1925), Reed; M.D. (1929), Harvard.
- †**Stanton L. Freidberg, M.D.**, Clinical Instructor in Medicine (1966).  
B.S. (1956), Illinois; M.D. (1960), Western Reserve.
- †**Leo J. Freiermuth, M.D.**, Senior Clinical Instructor in Medicine (1961).  
B.S. (1950), Idaho; M.D. (1954), Washington University.
- †**Kathrine S. French, Ph.D.**, Assistant Professor of Anthropology, Pediatrics (1959).  
B.A. (1942), Pomona; Ph.D. (1955), Columbia.
- †**Raymond F. Friedman, M.D.**, Assistant Clinical Professor of Radiology (Diagnosis) (1967).  
B.S. (1955), Oregon State; M.D. (1957), Oregon.
- \***Arthur W. Frisch, M.D., Ph.D.**, Professor of Microbiology; Chairman of Department (1946).  
B.A. (1931), M.A. (1933), Ph.D. (1935), M.D. (1937), Wisconsin.
- †**David C. Frisch, M.D.**, Clinical Instructor in Dermatology (1952).  
B.S. (1938), B.M. (1941), M.D. (1942), Minnesota; M.S. (1949), Wayne State.
- †**Louis H. Frische, M.D.**, Professor of Radiology (Diagnosis) (1953).  
M.D. (1949), Harvard.
- †**Thomas E. Frothingham, M.D.**, Assistant Clinical Professor of Microbiology and Pediatrics (1969).  
M.D. (1951), Harvard.
- †**Robert J. Fry, M.D.**, Clinical Instructor in Orthopedics (1958).  
B.A. (1947), Michigan; M.D. (1952), Temple.
- †**Thomas S. Fujita, M.S.**, Instructor in Biochemistry and Neurology (Neurochemistry) (1963).  
B.A. (1956), Reed; M.S. (1959), University of Washington.
- †**Malcolm E. Fuller, M.D.**, Assistant Clinical Professor of Obstetrics and Gynecology (1959).  
B.S. (1942), Florida; M.D. (1951), Oregon.

† Leave of absence December 1, 1969 to December 1, 1970.  
\* Volunteer.

MEDICAL  
SCHOOL  
FACULTY

- †**Remy W. Fulsher, M.D.**, Assistant Clinical Professor of Obstetrics and Gynecology (1955).  
M.D. (1950), Ohio State.
- †**Ferenc F. Gabor, M.D.**, Clinical Instructor in Urology (1970).  
M.D. (1954), Pecs (Hungary).
- John D. Gabourel, Ph.D.**, Associate Professor of Pharmacology (1964).  
B.S. (1950), California; M.S. (1951), San Francisco; Ph.D. (1957), Rochester.
- †**Peter J. Galante, M.D.**, Assistant Professor of Medicine (Veterans Hospital) (1955).  
B.A. (1928), Cornell; M.D. (1933), Royal University of Turin (Italy).
- †**William P. Galen, M.D.**, Assistant Clinical Professor of Medicine (1953).  
B.S. (1946), M.D. (1948), Oregon.
- Anthony E. Gallo, M.D.**, Associate Professor of Neurosurgery (1968).  
B.S. (1952), Tufts; M.D. (1956), Harvard.
- †**L. Phaon Gambee, M.D.**, Clinical Instructor in Orthopedics (1962).  
B.S. (1951), Gonzaga; M.D. (1957), Creighton.
- Charles E. Gardner, Ph.D.**, Assistant Professor of Clinical Pathology (1964).  
B.S. (1951), Regis; Ph.D. (1962), Colorado.
- †**J. Scott Gardner, M.D.**, Clinical Professor of Urology (1945).  
B.A. (1935), Utah; M.D. (1939), Cornell.
- Ann M. Garner, Ph.D.**, Professor, Crippled Children's Division; Professor of Medical Psychology (1968).  
A.B. (1936), Carleton; A.M. (1938), Radcliffe; Ph.D. (1941), Stanford.
- †**William M. Garnjobst, M.D.**, Associate Clinical Professor of Surgery (1955).  
B.A. (1943), Oregon State; M.D. (1945), Oregon.
- †**P. Rocca Garofalo, M.D., Ph.D.**, Clinical Instructor in Neurology (1970).  
A.B. (1951), Barnard; M.S. (1953), Ph.D. (1958), M.D. (1960), Oregon.
- †**Marjorie L. Gaston, M.P.H.**, Clinical Instructor in Public Health and Preventive Medicine (1970).  
R.N. (1935), Milwaukee Hospital; B.S.P.H.N. (1948), M.P.H. (1954), Michigan.
- †**Kenneth D. Gaver, M.D.**, Associate Clinical Professor of Psychiatry (1966).  
B.A. (1946), California; M.D. (1948), Tennessee.
- †**Howard J. Geist, M.D.**, Senior Clinical Instructor in Orthopedics (1965).  
M.D. (1955), Harvard.
- Nancy B. Gerhardt, B.S.**, Instructor in Microbiology (1966).  
B.S. (1950), Oregon State.
- †**Luigi Giacometti, Ph.D.**, Associate Professor of Dermatology (Primate Center) (1969).  
M.Sc. (1962), Ph.D. (1964), Brown.
- ‡**Jerry D. Giesy, M.D.**, Assistant Clinical Professor of Urology (1964).  
B.A. (1955), M.D. (1959), Oregon.
- †**James H. Gilbaugh, Jr., M.D.**, Clinical Instructor in Urology (1970).  
M.S., M.D. (1963), Oregon.
- †**Joseph H. Gill, M.D.**, Senior Clinical Instructor in Orthopedics (1949).  
B.A. (1940), Reed; M.D. (1943), Oregon.
- †**Samuel F. Gill, M.D.**, Clinical Instructor in Orthopedics (1963).  
B.S. (1953), Oregon State; M.D. (1955), Oregon.
- †**James B. Gillick, M.D.**, Clinical Instructor in Medicine (1967).  
M.D. (1959), Indiana.

† Volunteer.  
‡ Part-time.

## FACULTY

- †**Vincent Glaudin**, Ph.D., Associate Professor of Psychiatry (Veterans Hospital) (1966).  
B.S. (1949), Ph.D. (1954), Illinois.
- †**Eberhard Gloekler**, M.D., Instructor in Neurology (Good Samaritan Hospital) (1968).  
M.D. (1954), Tübingen.
- †**Leonard M. Goldberg**, M.D., Assistant Clinical Professor of Medicine (1959).  
B.A. (1951), Reed; M.D. (1955), Oregon.
- †**Edward L. Goldblatt**, M.D., Assistant Professor of Public Health and Preventive Medicine; Director, Regional Medical Program (1967).  
B.S. (1957), M.D. (1960), Northwestern; M.P.H. (1964), California.
- †**Marvin C. Goldman**, M.D., Assistant Clinical Professor of Medicine (1958).  
Ph.B. (1946), B.S. (1947), M.D. (1950), Chicago.
- †**Robert D. Goldman**, M.D., Associate Professor of Medicine (1963).  
B.A. (1950), M.D. (1957), Michigan.
- †**Buell E. Gocher**, Ph.D., Assistant Clinical Professor of Psychiatry (Psychology) (1964).  
B.S. (1958), Wisconsin; M.A. (1961), Ph.D. (1963), Southern Illinois.
- †**Morton J. Goodman**, M.D., Assistant Clinical Professor of Medicine (1935).  
B.A. (1926), M.D. (1929), Oregon.
- †**Ora K. Goodman**, B.S., Catalog Librarian; Assistant Professor (1945).  
B.S. (1927), Washington.
- †**Scott Goodnight**, M.D., Clinical Professor of Pediatrics (1940).  
B.A. (1930), Wisconsin; M.D. (1932), Oregon.
- †**Guy W. Gorrell**, M.D., Associate Clinical Professor of Surgery (1961).  
B.S. (1950), M.D. (1953), Oregon.
- †**Walter A. Goss**, M.D., Associate Clinical Professor of Pediatrics (1946).  
B.S. (1933), Oregon State; M.D. (1937), Oregon.
- †**Jarvis Gould**, M.D., Associate Medical Director and Associate Administrator of Hospitals and Clinics; Professor of Medicine (1948).  
B.A. (1939), M.D. (1941), Oregon.
- †**Richard T. Gourley**, M.D., Associate Clinical Professor of Pathology (1967).  
B.A. (1958), Reed; M.D. (1963), Oregon.
- †**David Gowing**, M.D., Associate Professor of Anesthesiology and Assistant Professor of Pharmacology (1962).  
A.B. (1955), Boston; M.D. (1959), Yale.
- †**Robert W. Goy**, Ph.D., Professor of Medical Psychology (Primate Center) (1965).  
B.S. (1947), Michigan; Ph.D. (1953), Chicago.
- †**Julia L. Grach**, M.D., Assistant Professor of Pediatrics (1967).  
B.A. (1951), M.D. (1955), University of Santo Tomas (Manila, Philippines).
- †**Richard L. Grant**, M.D., Assistant Professor of Psychiatry (1966).  
B.A. (1955), DePauw; M.D. (1959), M.A. (1961), Chicago.
- †**Robert H. Gray**, M.D., Senior Clinical Instructor in Medicine (1961).  
B.S. (1953), M.D. (1955), Oregon.
- †**Gerald S. Green**, M.D., Assistant Clinical Professor in Radiology (Diagnosis) (1969).  
B.S. (1960), California (Berkeley); M.D. (1963), California (San Francisco).
- †**Monte A. Greer**, M.D., Professor of Medicine; Head of Division of Endocrinology (1956).  
A.B. (1944), M.D. (1947), Stanford.

† Volunteer.  
‡ Part-time.



MEDICAL  
SCHOOL  
FACULTY

- †**Victor Gregory**, M.D., Assistant Clinical Professor of Psychiatry (1966).  
M.D. (1951), Illinois.
- †**John J. Greve**, M.D., Clinical Instructor in Medicine (1968).  
B.A. (1958), M.D. (1962), Iowa.
- †**Ray V. Grewe**, M.D., Clinical Instructor in Neurosurgery (1958).  
B.S. (1945), University of Washington; M.D. (1947), Oregon.
- ‡**Joseph W. Griffith**, B.A., Instructor, Research Instrument Service (1969).  
B.A. (1948), Reed.
- †**Thomas K. Griffith**, M.D., Clinical Instructor in Obstetrics and Gynecology (1968).  
B.A. (1951), M.D. (1955), Iowa.
- ‡**Robert John Grimm**, M.D., Assistant Professor of Neurology (Good Samaritan Hospital) (1969).  
B.S. (1957), Antioch; M.S. (1959), M.D. (1961), Michigan.
- Herbert E. Griswold**, M.D., Professor of Medicine; Head of Division of Cardiovascular Renal Diseases (1949).  
B.A. (1939), Reed; M.S., M.D. (1943), Oregon.
- †**LeRoy E. Groshong**, M.D., Associate Clinical Professor of Surgery (1956).  
B.S., M.D. (1949), Nebraska.
- †**Harry E. Groth**, M.D., Senior Clinical Instructor in Orthopedics (1963).  
B.S. (1952), M.D. (1955), Wisconsin.
- †**J. Gordon Grout**, M.D., Assistant Clinical Professor of Surgery (1959).  
A.B. (1949), Stanford; M.D. (1954), Oregon.
- M. Roberts Grover, Jr.**, M.D., Associate Dean; Director of Continuing Education; Professor of Medicine (1958).  
B.A. (1950), Bowdoin; M.D. (1954), Cornell; M.S. (1956), Oregon.
- Sergio Guerrero**, D.D.S., Visiting Assistant Professor of Pharmacology (1970).  
D.D.S. (1955), Chile.
- †**Guy K. Guffee**, M.D., Clinical Instructor in Surgery (1970).  
B.A. (1958), Texas; M.D. (1962), Texas (Galveston).
- John S. Gullikson**, D.D.S., Associate Professor of Dentistry; Associate Professor Crippled Children's Division (1963).  
B.S. (1950), Washington State; D.D.S. (1954), University of Washington.
- David L. Gunberg**, Ph.D., Professor of Anatomy (1955).  
B.A. (1949), Redlands; M.A. (1952), Ph.D. (1954), California.
- †**Russell G. Gustavson**, M.D., Assistant Clinical Professor of Surgery (1957).  
B.A. (1950), M.D. (1952), Nebraska.
- †**Helmut Haas**, M.D., Assistant Professor of Medicine (Veterans Hospital) (1966).  
B.S. (1956), M.D. (1958), Minnesota.
- †**Seymour Haber**, M.D., Clinical Instructor in Radiology (Diagnosis) (1970).  
A.B. (1949), Park; M.D. (1954), State University of New York.
- †**Clarence H. Hagmeier**, M.D., Clinical Instructor in Anesthesiology (1967).  
B.S. (1943), M.D. (1950), Pittsburgh.
- James E. Haines**, M.D., Assistant Professor of Clinical Pathology (1966).  
B.S. (1950), M.D. (1955), Stanford.
- †**Roger W. Hallin**, M.D., Assistant Clinical Professor of Surgery (1962).  
M.D., C.M. (1952), McGill.
- †**Luis E. Halpert**, M.D., Clinical Instructor in Urology (1963).  
B.S. (1946), M.D. (1953), Universidad Nacional Autonoma de Mexico.

† Volunteer.

‡ Part-time.

## FACULTY

- †**Archie Y. Hamilton, M.D.**, Clinical Instructor in Clinical Pathology (1966).  
B.S. (1954), M.S. (1955), Oregon State; M.D. (1960), Oregon.
- †**Martha L. Hamilton, M.D.**, Associate Professor of Clinical Pathology (Medical Technology) (1957).  
B.S. (1945), Texas Wesleyan; M.D. (1952), Texas.
- †**John R. Hand, M.D.**, Clinical Professor of Urology (1932).  
B.S. (1921), B.M. (1923), M.D. (1924), M.S. (1936), Minnesota.
- †**Hance F. Haney, M.D., Ph.D.**, Professor of Medicine; Chief, Department of Medicine Outpatient Professional Services (1936).  
B.A. (1926), M.A. (1928), Ph.D. (1934), Wisconsin; M.D. (1934), Chicago.
- †**Robert F. Haney, M.D.**, Senior Clinical Instructor in Ophthalmology (1965).  
B.S. (1955), M.D. (1958), Oregon.
- †**Constance Hanf, Ph.D.**, Associate Professor of Medical Psychology; Associate Professor, Crippled Children's Division (1963).  
B.A. (1938), M.A. (1943), New York University; M.A. (1952), College of City of New York; Ph.D. (1961), Pennsylvania State.
- †**Mark R. Hanschka, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1969).  
B.A. (1955), Amherst; M.D. (1961), Harvard.
- †**John R. Hansen, M.D.**, Assistant Clinical Professor of Pediatrics (1950).  
B.S. (1939), University of Washington; M.D. (1946), Oregon.
- †**Robert M. Hansen, M.D.**, Clinical Professor of Otolaryngology (1948).  
B.S. (1935), Nevada; M.D. (1939), Baylor.
- †**George S. Hara, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1957).  
B.A. (1948), M.D. (1953), Oregon.
- †**James V. Harber, M.D.**, Clinical Instructor in Anesthesiology (1959).  
B.S. (1953), M.D. (1955), Oregon.
- †**John Harder, M.D.**, Clinical Instructor in Orthopedics (1959).  
B.A. (1945), Whitman; M.D. (1949), Oregon.
- †**George Thomas Harding, Jr., M.D.**, Senior Clinical Instructor in Surgery (1966).  
M.D. (1958), University of Washington.
- †**Clifford E. Hardwick, M.D.**, Associate Clinical Professor of Surgery (1947).  
B.S., M.D. (1929), Oregon.
- †**Robert L. Hare, M.D.**, Associate Clinical Professor of Medicine (1956).  
B.S. (1947), M.D. (1949), Illinois; M.S. (1956), Minnesota.
- †**Allen D. Harlor, Jr., M.D.**, Clinical Instructor in Pediatrics (1966).  
B.S. (1957), M.D. (1961), M.S. (1964), Ohio State.
- †**Bernard P. Harpole, M.D.**, Clinical Instructor in Family Practice (1949).  
B.S. (1935), M.D. (1939), St. Louis.
- †**Homer H. Harris, M.D.**, Associate Clinical Professor of Clinical Pathology (1951).  
B.A. (1942), Reed; M.D. (1945), Oregon.
- †**Waldo E. Harris, M.D.**, Senior Clinical Instructor in Medicine (1963).  
B.D. (1929), Whitman; B.S., M.D. (1941), Northwestern.
- †**Joseph T. Hart, M.D.**, Associate Clinical Professor of Pediatrics (1950).  
B.S.M. (1941), M.D. (1942), Creighton.
- †**James T. Hartford, M.D.**, Assistant Clinical Professor of Pediatrics (1966).  
B.A. (1951), Portland; M.D. (1961), Oregon.
- †**Fredric M. Harwin, M.S.**, Unit Supervisor, Medical Graphics; Instructor (1969).  
B.F.A. (1965), Wayne State; M.S. (1967), Michigan.

MEDICAL  
SCHOOL  
FACULTY

- ‡**Virginia R. Hatch**, B.A., Assistant Professor, Crippled Children's Division (1967).  
B.A. (1926), Allegheny.
- Frederick P. Haugen**, M.D., Professor of Anesthesiology (1948).  
B.A. (1933), M.D. (1935), Oregon.
- †**Thomas Haun**, M.D., Senior Clinical Instructor in Medicine (1963).  
M.D. (1957), Creighton.
- †**John F. Hayes**, M.D., Clinical Instructor in Surgery (1955).  
B.A. (1945), Oregon State; M.D. (1947), Oregon.
- †**Gordon D. Haynie**, M.D., Assistant Professor of Medicine (Veterans Hospital) (1961).  
B.S. (1949), Idaho State; M.D. (1953), Oregon.
- †**John R. Hazel**, M.D., Clinical Instructor in Orthopedics (1966).  
B.A. (1953), Portland; M.D. (1958), Oregon.
- †**Thomas S. Healy**, M.D., Senior Clinical Instructor in Medicine (1951).  
B.A. (1940), M.D. (1942), Oregon.
- Frederick Hecht**, M.D., Associate Professor of Pediatrics and Medicine; Associate Professor, Crippled Children's Division (1965).  
B.A. (1952), Dartmouth; M.D. (1960), Rochester.
- Jack R. Hegrenes**, M.S., M.A., Assistant Professor, Crippled Children's Division (1967).  
B.S. (1952), M.S. (1955), Oregon; M.A. (1960), Chicago.
- †**William J. Hemphill**, M.D., Clinical Instructor in Dermatology (1961).  
M.D. (1947), Oklahoma.
- †**Curtis J. Hendricks**, M.D., Clinical Instructor in Obstetrics and Gynecology (1969).  
B.A. (1948), B.S. (1949), M.B. (1951), M.D. (1952), Minnesota.
- ‡**Norman Henderson**, Ph.D., Associate Professor of Medical Psychology (1967).  
B.A. (1938), Fresno State; M.A. (1948), Occidental; Ph.D. (1953), U.C.L.A.
- †**Edward L. Hendricks**, M.D., Associate Clinical Professor of Pediatrics (1955).  
B.S. (1946), Oregon State; M.S. (1948), M.D. (1949), Oregon.
- Paul N. Herman**, Ph.D., Assistant Professor of Otolaryngology (1968).  
A.B. (1952), Cornell; A.M. (1954), Alabama; Ph.D. (1965), Connecticut.
- Richard Herren**, Director, Instructional Aids; Instructor (1968).
- Barbara Hiatt**, M.S., R.N., Administrator, Tuberculosis Hospital; Assistant Professor of Nursing (1950).  
B.S., R.N., (1948), Oregon State; M.S. (1950), Oregon.
- †**William W. Hicks, Jr.**, M.D., Clinical Instructor in Obstetrics and Gynecology (1958).  
M.D. (1953), Jefferson; B.S. (1954), University of Washington.
- †**Curtis Lyle Hill**, M.D., Clinical Instructor in Neurosurgery (1969).  
A.M.S. (1954), Minnesota; B.A., B.S., (1961), North Dakota; M.D. (1963), Harvard.
- †**John D. Hill**, D.V.M., Assistant Professor of Medicine (Primate Center) (1968).  
B.S. (1958), D.V.M. (1960), Washington State; M.Med.Sci. (1967), Pennsylvania.
- †**Robert V. Hill**, M.D., Assistant Clinical Professor of Ophthalmology (1948).  
B.S. (1936), Oregon State; M.D. (1939), Oregon.
- †**William E. Hill**, M.D., Assistant Clinical Professor of Pediatrics (1962).  
B.A. (1947), Maine; M.D. (1951), Tufts.

‡ Volunteer.  
† Part-time.

## FACULTY

- Ernest H. Hixon**, D.D.S., Professor of Dentistry (1967).  
D.D.S. (1945), M.S. (1949), Iowa.
- Robert P. Hodam**, M.D., Assistant Professor of Cardiopulmonary Surgery (1968).  
A.B. (1955), B.S. (M.D. (1958), Illinois.
- Clarence V. Hodges**, M.D., Professor of Urology; Head of Division (1948).  
B.S. (1937), Iowa State; M.D. (1940), Chicago.
- Richard A. Hodgson**, M.D., Clinical Instructor in Otolaryngology (1962).  
B.S. (1954), Oregon State; M.D. (1956), Oregon.
- John W. Hoffman**, M.D., Assistant Clinical Professor of Pathology (1966).  
D.M.D. (1948), M.D. (1950), Harvard.
- Donald H. Holden**, M.D., Clinical Instructor in Otolaryngology (1953).  
A.B. (1941), Brown; M.D. (1944), Yale.
- Carl L. Holm**, M.D., Senior Clinical Instructor in Orthopedics (1961).  
B.A. (1940), Willamette; M.D. (1943), Oregon.
- Charles N. Holman**, M.D., Dean of the Medical School; Professor of Medicine (1940).  
B.A. (1931), M.D. (1936), Oregon.
- Monroe A. Holmes**, D.V.M., M.P.H.; Senior Clinical Instructor in Public Health and Preventive Medicine (1967).  
B.S. (1942), University of Washington; D.V.M. (1946), Washington State; M.P.H. (1963), California.
- Curtis Holzgang**, M.D., Assistant Professor of Medicine (1968).  
B.A. (1958), M.D., M.S. (1963), Oregon.
- Richard J. Hopkins**, M.D., Assistant Clinical Professor of Orthopedics (1950).  
B.S. (1943), Idaho; M.D. (1944), Oregon.
- Marcus M. Horenstein**, M.D., Assistant Clinical Professor of Medicine (1947).  
B.A. (1937), M.D. (1941), Oregon.
- Velma J. Horenstein**, M.D., Clinical Instructor in Psychiatry (1967).  
B.A. (1946), M.D. (1953), Oregon.
- Irving J. Horowitz**, M.D., Assistant Clinical Professor of Radiology (Therapy) (1959).  
B.S. (1946), M.S. (1947), M.D. (1952), Michigan.
- A. Wesley Horton**, Ph.D., Professor of Environmental Medicine and Biochemistry (1962).  
B.S. (1940), M.S. (1947), Ph.D. (1948), Yale.
- Dale D. Hoskins**, Ph.D., Associate Professor of Biochemistry (Primate Center) (1963).  
B.S. (1953), M.S. (1955), Oregon State; Ph.D. (1960), Colorado.
- Charles F. Howard, Jr.**, Ph.D., Assistant Professor of Biochemistry (Primate Center) (1965).  
B.A. (1954), Colorado State College; M.A. (1958), Colorado State; M.S. (1961), Ph.D. (1963), Wisconsin.
- Martin A. Howard**, M.D., Assistant Clinical Professor of Surgery (1929).  
B.S. (1923), M.D. (1926), Oregon.
- Jay C. Hoyt**, M.D., Assistant Clinical Professor of Medicine (1956).  
B.S. (1946), B.M. (1947), M.D. (1948), Minnesota.
- Funan Hu**, M.D., Professor of Dermatology (Primate Center) (1965).  
M.D. (1942), National Medical College of Shanghai.

MEDICAL  
SCHOOL  
FACULTY

- †**Grant B. Hughes**, M.D., Assistant Clinical Professor of Psychiatry (1963).  
M.D. (1944), Temple.
- Margaret E. Hughes**, B.S., Librarian; Professor (1946).  
B.S. (1937), Minnesota.
- †**Paul Q. Hull**, M.D., Clinical Instructor in Medicine (1969).  
B.S. (1959), M.D. (1963), University of Washington.
- †**Arthur F. Hunter**, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1946).  
A.B. (1930), Denver; M.D. (1933), Colorado.
- Leslie W. Hunter**, M.S.W., Director, Medical Social Service Department; Professor (1965).  
M.A. (1944), Royal Hungarian Peter Pazmany University (Budapest); M.S.W. (1956), Southern California.
- ‡**Howard W. Huntington**, M.D., Assistant Professor of Neurology and Pathology (Good Samaritan Hospital) (1968).  
B.A. (1957), St. Olaf; M.D. (1961), University of Washington.
- †**Peter L. Hurst**, M.D., Associate Clinical Professor of Pediatrics (1956).  
B.S. (1950), Antioch; M.D. (1950), Washington University.
- †**William W. Hurst**, M.D., Associate Clinical Professor of Medicine (1952).  
B.S. (1942), Idaho State; B.M. (1945), M.D. (1946), Northwestern.
- †**Crittenden Huston**, M.D., Clinical Instructor in Family Practice (1967).  
B.A. (1949), Linfield; M.D. (1953), Oregon.
- Tyra T. Hutchens**, M.D., Professor of Clinical Pathology and Radiology (Therapy) (Radioisotopes); Chairman of Department of Clinical Pathology (1953).  
B.S. (1943), M.D. (1945), Oregon.
- †**Wendell H. Hutchens**, M.D., Associate Clinical Professor of Psychiatry (1967).  
B.S. (1928), Pacific College (George Fox); A.B. (1929), M.D. (1932), Oregon.
- John J. Hutchins**, M.H.A., Instructor; Assistant to the Administrator, Medical School Hospital (1970).  
B.S. (1967), Oregon State; M.H.A. (1970), U.C.L.A.
- Jack H. Hutchinson**, B.A., Instructor in Medicine (1961).  
B.A. (1949), Lewis and Clark.
- †**Alfred C. Hutchinson**, M.D., Clinical Instructor in Family Practice (1970).  
M.D. (1943), Oregon.
- †**Peter B. Hutchinson**, M.D., Clinical Instructor in Medicine (1970).  
B.A. (1959), Johns Hopkins; M.D. (1963), McGill.
- †**Theodore L. Hyde**, M.D., Senior Clinical Instructor in Surgery (1964).  
B.S. (1925), Minnesota; M.D. (1927), Harvard.
- †**Milton D. Hyman**, M.D., Associate Clinical Professor of Radiology (Therapy) (1945).  
B.A. (1932), College of City of New York; M.S. (1933), M.D. (1937), Long Island (New York University).
- †**Selma Hyman**, M.D., Associate Clinical Professor of Radiology (Therapy) (1944).  
B.S. (1932), M.D. (1938), New York University.
- Barbara Iglewski**, Ph.D., Assistant Professor of Microbiology (1968).  
B.S. (1960), Allegheny; M.S. (1962), Ph.D. (1964), Pennsylvania State.
- Wallace Iglewski**, Ph.D., Assistant Professor of Microbiology (1968).  
B.A. (1961), Western Reserve; B.S. (1963), Ph.D. (1965), Pennsylvania State.

† Volunteer.

‡ Part-time.

## FACULTY

- James Donald Imbrie, M.D.**, Clinical Instructor in Otolaryngology (1967).  
B.S. (1957), M.D. (1959), Oregon.
- Toshio Inahara, M.D.**, Senior Clinical Instructor in Surgery (1956).  
B.S. (1948), M.D. (1950), Oregon.
- Joseph A. Intile, M.D.**, Clinical Instructor in Medicine (1968).  
B.S. (1953), City College of New York; M.D. (1957), New York Medical College.
- Willis J. Irvine, M.D.**, Clinical Instructor in Family Practice (1970).  
M.D. (1948), Oregon.
- Samuel Irwin, Ph.D.**, Professor of Pharmacology in Psychiatry (1964).  
B.A. (1948), Rutgers; Ph.D. (1954), Michigan.
- John B. Isom, M.D.**, Professor of Neurology and Pediatrics (1963).  
B.A. (1950), M.D. (1954), Vanderbilt.
- Russell Jackson, Ph.D.**, Assistant Professor of Medical Psychology; Assistant Professor, Crippled Children's Division (1968).  
B.S. (1963), M.S. (1964), Brigham Young; Ph.D. (1968), Ohio State.
- William W. Jackson, B.S.**, Assistant Professor, Animal Care (1965).  
B.S. (1949), Howard.
- Stanley W. Jacob, M.D.**, Associate Professor of Surgery (1959).  
B.A. (1945), M.D. (1948), Ohio State.
- Wesley R. Jacobs, M.D.**, Senior Clinical Instructor in Medicine (1967).  
M.S., M.D. (1960), Oregon.
- Frank M. Jacobson, M.D.**, Assistant Clinical Professor of Pediatrics (1962).  
M.D. (1951), Oregon.
- Sheldon A. Jacobson, M.D.**, Associate Clinical Professor of Pathology (1950).  
A.B. (1922), College of City of New York; M.D. (1928), Yale.
- David W. James, M.D.**, Assistant Clinical Professor of Obstetrics and Gynecology (1949).  
B.S. (1930), Denison; M.D. (1933), Ohio State; M.S. (1940), Wayne State.
- Stanley L. James, M.D.**, Clinical Instructor in Orthopedics (1967).  
B.A. (1953), M.D. (1962), Iowa.
- John Paul Jarabak, D.D.S.**, Professor of Dentistry (1960).  
D.D.S. (1939), Indiana.
- J. Theodore Jastak, D.D.S., Ph.D.**, Associate Professor of Dentistry (1969).  
D.D.S. (1962), Seton Hall; Ph.D. (1967), Rochester.
- Rocquelyn M. Jastak, M.D.**, Clinical Instructor in Medicine (1969).  
B.A. (1958), Marywood; M.D. (1962), New Jersey.
- Jack D. Jefferson, M.D.**, Senior Clinical Instructor in Surgery (1967).  
B.A. (1958), M.D. (1962), Missouri.
- Robert A. Jellum, B.S.**, Budget Officer; Assistant Professor (1966).  
B.S. (1950), Linfield.
- Naraindas B. Jetmalani, D.P.M.**, Assistant Clinical Professor of Psychiatry (1964).  
D.P.M. (1953), Netherne Hospital, Surrey (England).
- David William Johnson, M.D.**, Associate Professor of Public Health and Preventive Medicine; Program Coordinator, Oregon Regional Medical Program (1968).  
B.S. (1950), Washington State; M.D. (1961), Oregon.
- Donald R. Johnson, M.D.**, Clinical Instructor in Ophthalmology (1965).  
B.A. (1951), Minnesota; A.M. (1952), Harvard; M.D. (1961), Stanford.

MEDICAL  
SCHOOL  
FACULTY

- Florence E. Johnson, M.A., A.M.**, Serials Librarian; Instructor (1970).  
B.A. (1939), M.A. (1952), Toronto; A.M. (1964), Chicago.
- †**Roderick L. Johnson, M.D.**, Senior Clinical Instructor in Surgery (1960).  
B.S. (1948), M.D. (1951), University of Washington.
- †**Warren E. Johnson, M.A.**, Assistant Professor of Otolaryngology (Audiology) (Portland Center for Hearing and Speech) (1962).  
A.B. (1949), Wabash; M.A., (1950), Northwestern.
- †**Russell L. Johnsrud, M.D.**, Assistant Clinical Professor of Surgery (1936).  
B.A. (1930), M.D. (1933), Oregon.
- \***George I. Johnston, B.S.**, Director of Research Instrument Service; Assistant Professor (1961).  
B.S. (1955), Johns Hopkins.
- Russell L. Jolley, Ph.D.**, Instructor in Biochemistry (1968).  
B.S. (1943), Texas A&M; M.S. (1954), Ph.D. (1958), Oregon State.
- †**Homer C. Jones, Jr., M.D.**, Instructor in Anesthesiology (Veterans Hospital) (1969).  
B.S. (1949), Southern Methodist; M.D. (1952), Texas (Dallas).
- †**Lester T. Jones, M.D.**, Clinical Professor of Otolaryngology and Ophthalmology (1924).  
B.A. (1918), Pacific University; M.D. (1921), M.A. (1923), Oregon.
- †**Orville N. Jones, M.D.**, Senior Clinical Instructor in Orthopedics (1947).  
B.A. (1931), Reed; M.D., C.M. (1937), McGill.
- Richard T. Jones, M.D., Ph.D.**, Professor of Biochemistry; Chairman of Department (1961).  
B.S. (1953), M.S., M.D., (1956), Oregon; Ph.D. (1961), California Institute of Technology.
- †**Lewis W. Jordan, M.D.**, Assistant Clinical Professor of Otolaryngology (1936).  
B.S. (1929), M.D. (1931), Oregon.
- ‡**Wallace L. Joslyn, Ph.D.**, Assistant Professor of Medical Psychology (Primate Center) (1968).  
B.A. (1961), Virginia; M.S. (1965), Ph.D. (1967), Wisconsin.
- Terence M. Joys, Ph.D.**, Associate Professor of Microbiology (1965).  
B.Sc. (1957), Leeds (England); Ph.D. (1961), Lister Institute of University of London.
- Doris Julian, M.N.**, Assistant Professor, Crippled Children's Division (1969).  
R.N. (1947), Hastings; B.S. (1951), M.N. (1966), University of Washington.
- †**Ellis B. Jump, D.M.D., Ph.D.**, Professor of Anatomy (Dental School) (1969).  
B.A. (1932), Dartmouth; D.M.D. (1936), Harvard; Ph.D. (1944), Chicago.
- Robert S. Justice, D.S.W.**, Associate Professor, Crippled Children's Division (1969).  
B.A. (1949), Puget Sound; M.S.W. (1953), University of Washington; D.S.W. (1968) Southern California.
- David Kabat, Ph.D.**, Assistant Professor of Biochemistry (1969).  
Sc.B. (1962), Brown; Ph.D. (1967), California Institute of Technology.
- †**Robert L. Kalez, M.D.**, Assistant Clinical Professor of Urology (1963).  
B.S. (1954), Gonzaga; M.D. (1957), Creighton.
- †**Huldrick Kammer, M.D.**, Clinical Professor of Medicine (1949).  
B.A. (1936), Wisconsin; B.M. (1940), M.D. (1941), Northwestern.

† Volunteer.

‡ Part-time.

\* Leave of absence August 10, 1970 to August 10, 1971.

## FACULTY

- Joseph R. Kantor, M.D.**, Clinical Instructor in Surgery (1967).  
B.S.Med. (1958), Creighton; M.D. (1958), Nebraska.
- Reinhold Kanzler, M.D.**, Clinical Instructor in Surgery (1958).  
B.S. (1934), M.S. (1937), M.D. (1938), Oregon.
- Donald G. Kassebaum, M.D.**, Professor of Medicine (1962).  
B.A. (1955), Reed; M.D. (1956), Oregon.
- Foster F. Keene, M.D.**, Clinical Instructor in Medicine (1968).  
B.A. (1955), M.D. (1959), Stanford.
- John P. Keizer, M.D.**, Associate Clinical Professor of Ophthalmology (1953).  
B.A. (1934), M.D. (1937), Oregon.
- Harley D. Kelley, M.D.**, Clinical Instructor in Surgery (1965).  
B.A. (1955), Pacific; M.D. (1959), Oregon.
- Donald F. Kelly, M.D.**, Assistant Professor of Dentistry; Associate Clinical Professor of Pediatrics (1959).  
B.S. (1949), Portland; M.D. (1954), Oregon.
- John W. Kendall, Jr., M.D.**, Associate Professor of Medicine (1962).  
B.A. (1952), Yale; M.D. (1956), University of Washington.
- Max F. Kersbergen, M.A.**, Administrator, Outpatient Clinic, Assistant Professor (1969).  
B.S. (1958), M.A. (1963), Iowa.
- Ilmar O. Kiesel, M.D.**, Assistant Professor of Radiology (Diagnosis) (Veterans Hospital) (1969).  
M.D. (1938), M.S. (1942), Tartu (Estonia).
- Calvin H. Kiest, Jr., M.D.**, Senior Clinical Instructor in Orthopedics (1960).  
B.S. (1951), Oregon State; M.D. (1955), Oregon.
- Robert Kim, M.D.**, Assistant Professor of Neurology (Veterans Hospital) (1969).  
B.S. (1966), Union; M.D. (1961), Rochester.
- Reid R. Kimball, M.D.**, Assistant Clinical Professor of Psychiatry (1967).  
B.S. (1949), Brigham Young; M.D. (1951), Utah.
- William J. Kimberling, Ph.D.**, Instructor in Medical Genetics (1970).  
A.B. (1962), Ph.D. (1967), Indiana.
- Philip S. King, III, M.D.**, Clinical Instructor in Physical Medicine and Rehabilitation (1968).  
B.A. (1949), Omaha; M.D. (1952), Nebraska.
- Frederick A. J. Kingery, M.D.**, Clinical Professor of Dermatology (1959).  
B.S. (1949), Yale; M.D. (1953), New York University.
- Gerald E. Kinzel, M.D.**, Assistant Clinical Professor of Obstetrics and Gynecology (1946).  
B.A. (1933), M.D. (1936), Oregon.
- George W. Kittinger, Ph.D.**, Professor of Biochemistry (Primate Center) (1965).  
B.S. (1948), M.S. (1950), Northwestern; Ph.D. (1953), Oregon.
- George C. D. Kjaer, M.D.**, Clinical Instructor in Psychiatry (1966).  
B.A. (1955), M.D. (1959), University of Washington.
- Alvin Klass, M.D.**, Clinical Instructor in Ophthalmology (1968).  
B.S. (1960), Portland State; M.D. (1963), Oregon.
- Douglas L. Klein, M.D.**, Assistant Professor of Anesthesiology (1969).  
B.S. (1956), South Dakota; M.D. (1956), Loyola.

Volunteer.  
Part-time.



MEDICAL  
SCHOOL  
FACULTY

- †**Harvey D. Klevit, M.D.**, Associate Clinical Professor of Pediatrics (1964).  
A.B. (1952), M.D. (1956), Temple.
- †**David D. Kliever, M.D.**, Clinical Instructor in Medicine (1968).  
B.S. (1939), Wheaton; M.D. (1951), Harvard.
- †**Edward K. Kloos, M.D.**, Assistant Clinical Professor of Neurosurgery (1948).  
A.B. (1934), Western Reserve; M.D. (1938), Rochester; M.S. (1943), Minnesota.
- Frank E. Kloster, M.D.**, Associate Professor of Medicine (1965).  
B.S. (1955), Iowa State; M.D. (1958), Iowa.
- Delbert M. Kole, M.D.**, Assistant Professor of Psychiatry (1968).  
B.S. (1958), Washington State; M.S., M.D. (1962), Oregon.
- Robert D. Koler, M.D.**, Professor of Medicine; Head of Division of Medical Genetics (1953).  
B.A. (1945), M.D. (1947), Oregon.
- John D. Koontz, B.S.**, Senior Instructor in Clinical Pathology (Medical Technology) (1963).  
B.S. (1954), Oregon.
- †**Edward L. Korn, M.D.**, Clinical Instructor in Otolaryngology (1968).  
B.A. (1957), Ohio Wesleyan; M.D. (1961), Ohio State.
- Nancy Kosterlitz, M.A.**, Associate Professor of Psychiatry (Psychiatric Social Work) (1962).  
B.A. (1945), M.A. (1950), Chicago.
- †**Richard H. Kosterlitz, M.D.**, Assistant Clinical Professor of Medicine (1958).  
B.S., M.D. (1949), Illinois.
- †**Arthur D. Kracke, M.D.**, Assistant Clinical Professor of Pediatrics (1963).  
B.A. (1955), North Dakota; M.D. (1958), McGill.
- †**Lewis J. Krakauer, M.D.**, Assistant Clinical Professor of Medicine (1956).  
A.B. (1947), Williams; M.D. (1951), Harvard.
- †**John C. Krauss, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1970).  
B.A. (1959), Hope; M.D. (1963), Wayne State.
- †**Alfred J. Kreft, M.D.**, Senior Clinical Instructor in Ophthalmology (1951).  
B.S. (1933), M.D. (1936), Illinois.
- Edna Louise Kremkau, M.D.**, Assistant Professor of Medicine (1970).  
B.A. (1963), M.D. (1965), Oregon.
- †**Paul O. Kretschmar, M.D.**, Senior Clinical Instructor in Medicine (1961).  
B.S. (1952), South Dakota; M.D. (1954), Illinois.
- Marion L. Krippaehne, M.D.**, Associate Professor of Medicine (1952).  
B.S. (1944), University of Washington; M.D. (1948), Oregon.
- William W. Krippaehne, M.D.**, Kenneth A. J. Mackenzie Professor of Surgery  
Chairman of Department (1953).  
B.S. (1943), University of Washington; M.D. (1946), Oregon.
- †**John J. Krygier, M.D.**, Assistant Clinical Professor of Medicine (1943).  
B.S. (1936), M.D. (1938), Wisconsin.
- †**W. James Kuhl, Jr., M.D.**, Assistant Clinical Professor of Medicine (1960).  
B.A. (1944), Whitman; M.D. (1947), Johns Hopkins.
- †**Clifford Kuhn, M.D.**, Assistant Clinical Professor of Otolaryngology (1940).  
B.A. (1928), M.D. (1932), Oregon; M.A. (1943), Pennsylvania.

† Volunteer.

## FACULTY

- Daniel H. Labby, M.D.**, Professor of Medicine; Head of Division of Diabetes and Metabolism (1947).  
B.A. (1935), Reed; M.D. (1939), Oregon.
- John R. Ladd, M.D.**, Clinical Instructor in Medicine (1969).  
M.D. (1962), Michigan.
- George H. Lage, M.D.**, Assistant Clinical Professor of Obstetrics and Gynecology (1942).  
B.A. (1936), Oregon State; M.D. (1939), Oregon.
- Donald R. Laird, M.D.**, Assistant Clinical Professor of Surgery (1939).  
A.B. (1928), Grinnell; M.S. (1933), M.D. (1934), Rush (University of Chicago); M.S. (1938), Minnesota.
- Richard A. Lalli, M.D.**, Assistant Clinical Professor of Ophthalmology (1963).  
B.S. (1954), Oregon State; M.D. (1956), Oregon.
- Eugene W. Landreth, M.D.**, Assistant Clinical Professor of Clinical Pathology (1957).  
B.S. (1946), M.D. (1948), Oregon.
- Darrell W. Landrey, M.D.**, Clinical Instructor in Otolaryngology (1964).  
B.Sc. (1954), Portland; M.D. (1956), Oregon.
- Ivan I. Langley, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1967).  
B.A. (1940), Oregon State; M.D. (1943), Oregon.
- Laurence R. Langston, M.D.**, Senior Clinical Instructor in Orthopedics (1956).  
B.A. (1947), M.D. (1951), Oregon.
- Albert E. Larner, M.D., Ph.D.**, Clinical Instructor in Dermatology (1963).  
B.S.A. (1946), Ontario Agriculture College; M.S. (1948), Toronto; Ph.D. (1955), Michigan; M.D. (1959), Toronto.
- Walter G. Larsen, M.D.**, Assistant Clinical Professor of Dermatology (1970).  
B.S. (1956), California; M.D. (1960), Southern California.
- L. William Larson, M.D.**, Clinical Instructor in Medicine (1959).  
B.S. (1949), M.D. (1951), Minnesota.
- Robert L. Larson, M.D.**, Clinical Instructor in Orthopedics (1962).  
B.A. (1949), Montana State University; M.D. (1953), George Washington; M.S. (Orth. Surg.) (1960), Minnesota.
- Wilbur L. E. Larson, M.D.**, Associate Professor of Neurology (Good Samaritan Hospital) (1968).  
B.A. (1942), M.D. (1945), Oregon.
- Russell K. Lawson, M.D.**, Assistant Professor of Urology (1968).  
B.S. (1962), M.D. (1963), Oregon.
- Gary H. Leaverton, M.D.**, Senior Clinical Instructor in Surgery (1962).  
B.S. (1953), M.D. (1955), Oregon.
- G. Prentiss Lee, M.D.**, Clinical Instructor in Surgery (1952).  
B.A. (1939), Reed; M.D. (1943), Oregon.
- Harry A. Lee, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1967).  
B.S. (1953), M.D. (1961), Colorado.
- J. Robert Lee, M.D.**, Associate Clinical Professor of Radiology (Therapy) (1955).  
B.A. (1944), Willamette; M.D. (1946), Oregon.
- T. David Lee, Jr., M.D.**, Senior Clinical Instructor in Medicine (1965).  
A.B. (1954), Dartmouth; M.D. (1957), Harvard.

Volunteer.  
Part-time.  
Leave of absence September 1, 1970 to August 31, 1971.

MEDICAL  
SCHOOL  
FACULTY

- Martin H. Lees**, M.D., Professor of Pediatrics (1963).  
M.D. (1955), London University.
- ‡**Darwin C. Lehfeldt**, M.D., Clinical Instructor in Pathology (1970).  
B.S. (1956), Montana State; M.D. (1960), Oregon.
- †**Theodore H. Lehman**, M.D., Associate Clinical Professor of Urology (1958).  
B.A. (1948), M.A. (1949), M.D. (1953), Nebraska.
- †**Fernando Leon**, M.D., Clinical Instructor in Cardiopulmonary Surgery (1968).  
B.S. (1948), M.D. (1955), University of Mexico.
- ‡**Richard L. Lessel**, M.P.H., Senior Instructor in Public Health and Preventive Medicine (1960).  
B.S. (1957), University of Washington; M.P.H. (1959), North Carolina.
- †**Jonathan Levine**, M.D., Clinical Instructor in Neurology (1969).  
B.A. (1958), M.D. (1962), Columbia.
- Howard P. Lewis**, M.D., Dr. Laurence Selling Professor of Medicine; Chairman of Department (1932).  
B.S. (1924), Oregon State; M.D. (1930), Oregon.
- †**Muriel D. Lezak**, Ph.D., Assistant Professor of Neurology (Veterans Hospital) (1968).  
Ph.B. (1947), A.M. (1949), Chicago; Ph.D. (1960), Portland.
- \***Herold S. Lillywhite**, Ph.D., Professor of Speech Pathology, Pediatrics (1957).  
B.S. (1932), Utah State; M.A. (1939), Minnesota; Ph.D. (1943), New York University.
- James E. Lindemann**, Ph.D. Associate Professor of Medical Psychology; Associate Professor, Crippled Children's Division (1963).  
B.S. (1950), M.S. (1951), Ph.D. (1954), Pennsylvania State.
- David Linder**, M.D., Associate Professor of Pathology (1970).  
M.D. (1951), Rochester.
- †**Aarne J. Lindgren**, M.D., Assistant Clinical Professor of Medicine (1948).  
B.S. (1936), M.S., M.D. (1942), Oregon.
- †**Verner V. Lindgren**, M.D., Assistant Clinical Professor of Surgery (1950).  
B.A. (1942), Gustavus Adolphus; B.S. (1944), B.M. (1945), M.D. (1946), Minnesota.
- †**Richard H. Lindquist**, M.D., Senior Clinical Instructor in Surgery (1958).  
B.S. (1946), South Dakota; M.D. (1947), Louisville.
- Louis Lino**, Ph.D., Assistant Professor of Neurology, Neurochemistry (1958).  
Ph.D. (1935), Faculty of Natural Sciences, Pisa (Italy).
- Adam W. Lis**, Ph.D., Associate Professor of Obstetrics and Gynecology (1965).  
B.S. (1949), Arkansas; B.A. (1954), Ph.D. (1960), California.
- Elaine W. Lis**, Ph.D., Associate Professor of Nutrition, Crippled Children's Division (1967).  
B.A. (1945), Mills; Ph.D. (1960), California.
- Michael Litt**, Ph.D., Professor of Biochemistry and Medical Genetics (1967).  
B.A. (1954), Oberlin; Ph.D. (1958), Harvard.
- †**James H. Lium**, M.D., Associate Clinical Professor of Clinical Pathology (1953).  
B.S. (1944), M.D. (1946), Oregon.
- †**Ernest T. Livingstone**, M.D., Assistant Clinical Professor of Medicine (1955).  
B.A. (1949), Reed; M.S., M.D. (1951), Oregon.

† Volunteer.

‡ Part-time.

\* Leave of absence June 1, 1970 to September 30, 1970.

## FACULTY

- Walter C. Lobitz, Jr., M.D.**, Professor of Dermatology; Chairman of Department (1959).  
 B.S. (1939), B.M. (1940), M.D. (1941), Cincinnati; M.Sc. (1945), Minnesota; M.A. (Hon.) (1957), Dartmouth.
- Mary Ann A. Lockwood, B.A.**, Director of Publications; Assistant Professor (1965).  
 B.A. (1964), University of Washington.
- Otto L. Loehden, M.D.**, Clinical Instructor in Surgery (1969).  
 B.S. (1956), M.D. (1958), Oregon.
- Norman D. Logan, M.D.**, Clinical Instructor in Orthopedics (1962).  
 B.A. (1951), Oregon State; M.D. (1955), Oregon.
- George B. Long, M.D.**, Clinical Professor of Medicine; Senior Consultant in Gastroenterology (1943).  
 B.A. (1934), Montana State University; M.D. (1939), Northwestern.
- John Wayne Loomis, M.D.**, Associate Clinical Professor of Radiology (Diagnosis) (1951).  
 B.A. (1940), Reed; M.D. (1943), Oregon.
- Harold M. Louis, D.D.S.**, Assistant Professor, Crippled Children's Division (1970).  
 D.D.S. (1957), Northwestern.
- Everett W. Lovrien, M.D.**, Associate Professor of Pediatrics and Medicine; Professor, Crippled Children's Division (1966).  
 B.A. (1955), M.D. (1959), Minnesota.
- Lawrence M. Lowell, M.D.**, Assistant Clinical Professor of Cardiopulmonary Surgery (1950).  
 B.S. (1933), Washington State; M.D. (1936), Oregon.
- Oscar N. Lucas, Ph.D.**, Associate Professor of Dentistry (1968).  
 D.D.S. (1957), Buenos Aires; Ph.D. (1965), Saskatchewan.
- Henrik A. B. Lundh, M.D.**, Assistant Professor of Medicine (Veterans Hospital) (1965).  
 M.D. (1957), University of Washington.
- Robert C. Luther, M.D.**, Clinical Instructor in Psychiatry (1967).  
 A.B. (1955), Whitman; M.D. (1959), Oregon.
- Mary Jane D. Dubinski Lytle, M.D.**, Clinical Instructor in Psychiatry (1965).  
 B.A. (1951), Marylhurst; M.D. (1961), Oregon.
- William R. McAllister, M.D.**, Senior Clinical Instructor in Surgery (1967).  
 B.S. (1959), M.D. (1962), Northwestern.
- Glynn E. McArn, Ph.D.**, Assistant Professor of Pathology (1968).  
 B.A. (1954), M.S. (1961), M.P.H. (1964), Michigan; Ph.D. (1968), Oregon.
- Frank D. McBarron, M.D.**, Clinical Instructor in Medicine (1969).  
 B.S. (1955), Seattle University; M.D. (1959), Creighton.
- William H. McCarthy, M.D.**, Clinical Instructor in Medicine (1970).  
 B.S. (1956), Gonzaga; M.D. (1959), Creighton.
- Elton L. McCawley, Ph.D.**, Professor of Pharmacology (1949).  
 A.B. (1938), M.S. (1939), Ph.D. (1942), California.
- David McClure, Ph.D.**, Assistant Clinical Professor of Environmental Medicine (1968).  
 B.S. (1958), Washington State; Ph.D. (1963), University of Washington.

Volunteer.  
 Part-time.  
 Leave of absence.

MEDICAL  
SCHOOL  
FACULTY

- †**Guy R. McCutchan**, M.D., Assistant Clinical Professor of Medicine (1969).  
B.S. (1929), Grand Island; M.D. (1931), Nebraska.
- †**James R. McDougall**, M.D., Clinical Instructor in Radiology (Diagnosis) (1968).  
B.Sc. (1944), Manitoba; M.D. (1949), Laval.
- †**Robert G. McKillop**, M.D., Senior Clinical Instructor in Medicine and Orthopedics (1964).  
B.A. (1949), Augustana; B.S. (1954), South Dakota; M.D. (1956), Northwestern.
- †**Donald McKinley**, M.D., Assistant Clinical Professor of Psychiatry (1958).  
B.A. (1940), Reed; M.D. (1942), Oregon.
- †**Matthew McKirdie**, M.D., Clinical Professor of Surgery (1940).  
B.S. (1929), Chicago; M.D. (1934), Rush (University of Chicago).
- †**Richard H. McLaren**, M.D., Clinical Instructor in Continuing Medical Education (1970).  
M.D. (1954), Oregon.
- ‡**Edward N. McLean**, M.D., Associate Clinical Professor of Ophthalmology (1957).  
M.D. (1948), Johns Hopkins.
- †**Raymond A. McMahan**, M.D., Associate Clinical Professor of Medicine (1938).  
B.A. (1932), Ripon; M.D. (1937), Wisconsin.
- †**Wilbur P. McNulty**, M.D., Associate Professor of Pathology (Primate Center) (1964).  
B.S. (1947), Michigan; M.D. (1952), Yale.
- †**Matthew B. Maberry**, D.V.M., Clinical Instructor in Animal Care (1966).  
B.S. (1946), D.V.M. (1947), Washington State.
- †**Laurence K. MacDaniels**, M.D., Associate Clinical Professor of Medicine (1949).  
B.A. (1937), Reed; M.D. (1941), Oregon.
- †**Curtis A. Macfarlane**, M.D., Assistant Clinical Professor of Urology (1958).  
B.A. (1949), M.D. (1951), Wisconsin.
- David V. Macfarlane**, M.D., Assistant Professor of Pediatrics; Associate Professor, Crippled Children's Division (1956).  
B.S. (1948), M.S., M.D. (1951), Illinois.
- †**Jean P. Macfarlane**, M.D., Clinical Instructor in Medical Genetics; Clinical Instructor, Crippled Children's Division (1969).  
B.A. (1942), Mount Holyoke; M.D. (1948), Rochester.
- †**James L. Mack**, M.D., Clinical Instructor in Medicine (1967).  
B.S. (1959), Portland; M.D. (1961), St. Louis.
- †**William J. M. MacKenzie**, M.B., Ch.B., Assistant Clinical Professor of Psychiatry (1966).  
M.B., Ch.B. (1946), Glasgow.
- †**Stephen W. Maks**, M.D., Clinical Instructor in Medicine (1959).  
B.S. (1950), Portland; M.D. (1953), Creighton.
- †**Manuel R. Malinow**, M.D., Associate Professor of Medicine (Primate Center) (1963).  
B.S. (1938), Colegio Nacional de Buenos Aires; M.D. (1944), Buenos Aires Medical School.
- †**Arthur Malley**, Ph.D., Associate Professor of Microbiology (Primate Center) (1964).  
B.A. (1953), B.S. (1957), San Francisco State; Ph.D. (1961), Oregon State.

† Volunteer.  
‡ Part-time.

## FACULTY

- †**Leonora B. Manzano-Dantas**, M.D., Clinical Instructor in Medicine (1969).  
M.D. (1963), University of the East (Philippines).
- †**Robert W. Marcum**, M.D., Assistant Clinical Professor of Surgery (1951).  
B.S. (1934), Pacific; M.D. (1940), Oregon.
- †**R. Kent Markee**, M.D., Clinical Instructor in Surgery (1953).  
B.A. (1944), Willamette; M.D. (1946), Oregon.
- †**Richard E. Markley**, M.D., Senior Clinical Instructor in Ophthalmology (1953).  
B.A. (1938), Denver; M.D. (1942), Colorado.
- †**John B. Marks**, Ph.D., Associate Professor of Psychiatry (Psychology) (1968).  
S.B. (1938), Chicago; M.S. (1940), Wisconsin; Ph.D. (1952), California.
- †**Victor C. Marquardt, Jr.**, M.D., Associate Professor of Clinical Pathology  
(Medical Technology) (1964).  
B.A. (1953), Wesleyan; M.D. (1957), Nebraska.
- †**Alfred N. Marshall**, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1957).  
B.S. (1932), University of Washington; M.D. (1937), Oregon.
- †**Nancy R. Marshall**, Ph.D., Assistant Professor of Speech Pathology, Crippled  
Children's Division (1966).  
B.S. (1958), Portland State; M.Ed. (1959), Portland; Ph.D. (1967), Oregon.
- †**Robert C. Marshall**, Ph.D., Assistant Clinical Professor of Speech Pathology  
(1969).  
B.A. (1961), California (Santa Barbara); M.S. (1965), Oregon; Ph.D. (1969), Oklahoma.
- †**William R. Marshall**, M.D., Clinical Instructor in Surgery (1970).  
B.S. (1954), M.D. (1958), Alabama.
- †**Don Denman Martin**, M.D., Clinical Instructor in Dermatology (1969).  
B.A. (1958), Texas Christian; M.D. (1962), Baylor.
- †**Marian M. Martin**, M.P.H., Senior Clinical Instructor in Public Health and  
Preventive Medicine (1967).  
B.A. (1941), Reed; M.P.H. (1958), California.
- †**Charles L. Martinson**, M.D., Clinical Instructor in Medicine (1969).  
B.S. (1961), M.D. (1963), Oregon.
- †**Harry W. Masenhimer, Jr.**, M.D., Clinical Instructor in Medicine (1960).  
B.A. (1949), Princeton; M.D. (1953), Johns Hopkins.
- †**Herbert E. Mason**, M.D., Instructor in Medicine (Veterans Hospital) (1969).  
B.A. (1937), Reed; M.D. (1939), Oregon.
- †**Howard S. Mason**, Ph.D., Professor of Biochemistry (1952).  
B.S. (1935), M.S. (1936), Ph.D. (1939), Massachusetts Institute of Technology.
- †**James A. Mason**, M.D., Senior Clinical Instructor in Orthopedics (1948).  
B.S. (1930), M.D. (1932), Nebraska.
- \*†**Robert E. Mass**, M.D., Associate Professor of Medicine (Veterans Hospital)  
(1957).  
B.A. (1948), M.D. (1951), Oregon.
- †**John Clifton Massar**, M.D., Associate Clinical Professor of Dermatology  
(1955).  
B.S. (1945), University of Washington; M.D. (1948), Oregon.
- †**Oliver N. Massengale**, M.D., Associate Clinical Professor of Pediatrics (1963).  
B.A. (1951), Vanderbilt; M.D. (1955), Johns Hopkins.

† Volunteer.  
\* Leave of absence.

MEDICAL  
SCHOOL  
FACULTY

- Joseph D. Matarazzo**, Ph.D., Professor of Medical Psychology; Chairman of Department (1957).  
B.A. (1946), Brown; M.S. (1950), Ph.D. (1952), Northwestern.
- Ruth G. Matarazzo**, Ph.D., Professor of Medical Psychology (1957).  
B.A. (1948), Brown; M.S. (1952), Ph.D. (1955), Washington University.
- †**Richard J. Mathewson**, D.D.S., Assistant Professor of Dentistry (1968).  
B.A. (1961), Central Michigan; D.D.S. (1959), Michigan.
- †**Willard L. Mathiesen**, M.D., Clinical Instructor in Surgery (1956).  
M.D. (1945), College of Medical Evangelists (Loma Linda).
- †**Roy R. Matteri**, M.D., Assistant Clinical Professor of Medicine (1946).  
B.S. (1940), M.D. (1942), Creighton.
- Fred A. Matthias**, B.B.A., Business Manager; Associate Professor (1962).  
B.B.A. (1949), Oregon.
- ‡**Robert H. Mattson**, D.Ed., Professor, Crippled Children's Division (1967).  
B.A. (1949), Montana; M.A. (1950), Iowa; D.Ed. (1959), Oregon.
- †**Gordon L. Maurice**, M.D., Assistant Clinical Professor of Medicine (1949).  
B.S. (1940), Washington State; M.D. (1943), Oregon.
- †**John Arthur May**, M.D., Clinical Professor of Pediatrics (1948).  
B.A. (1939), University of Washington; M.D. (1943), Oregon.
- †**Roland M. Mayer**, M.D., Senior Clinical Instructor in Surgery (1967).  
B.S. (1944), South Dakota; M.D. (1946), Northwestern.
- ‡**Thomas L. Meador**, M.D., Assistant Clinical Professor of Public Health and Preventive Medicine (1947).  
B.A. (1921), M.A. (1924), M.D. (1937), Oregon; M.P.H. (1940), Yale.
- †**Norbert E. Medved**, M.D., Assistant Clinical Professor of Medicine (1956).  
B.S. (1946), M.D. (1948), Creighton.
- Robert J. Meechan**, M.D., Professor of Pediatrics (1956).  
B.A. (1951), Oregon State; M.S., M.D. (1953), Oregon.
- †**Edward Colton Meek, Jr.**, M.D., Associate Clinical Professor of Pathology (1953).  
B.S. (1941), Oregon State; M.D. (1944), Johns Hopkins.
- †**S. Spence Meighan**, M.B., Clinical Instructor in Medicine (1964).  
M.B. (1945), Glasgow (Scotland).
- †**Walter E. Meihoff**, M.D., Assistant Clinical Professor of Medicine (1967).  
B.S. (1956), M.D. (1959), Oregon.
- Clifford S. Melnyk**, M.D., Associate Professor of Medicine (1967).  
M.D. (1959), British Columbia.
- Victor D. Menashe**, M.D., Professor and Associate Director of Crippled Children's Division, Professor of Pediatrics (1958).  
B.S. (1951), M.D. (1953), Oregon.
- †**Robert A. Mendelson**, M.D., Assistant Clinical Professor of Pediatrics (1964).  
B.A. (1955), Reed; M.D. (1959), Oregon.
- ‡**Ruth L. Mercer**, M.A., Clinical Instructor in Dietetics (1958).  
B.A. (1941), Kansas; M.A. (1948), Columbia.
- †**Ralph G. Merrill**, M.Sc.D., Associate Professor of Dentistry (1968).  
D.D.S. (1959), University of Washington; M.Sc.D. (1963), Boston.
- James E. Merritt**, M.S.W., Instructor, Crippled Children's Division (1970).  
B.A. (1949), M.S.W. (1951), University of Washington.

† Volunteer.

‡ Part-time.

## FACULTY

- James Metcalfe, M.D.**, Professor of Medicine, Oregon Heart Association Chair of Cardiovascular Research (1961).  
A.B. (1944), Brown; M.D. (1946), Harvard.
- †**Donald C. Mettler, M.D.**, Assistant Clinical Professor of Otolaryngology (1956).  
B.S. (1952), M.D. (1947), Indiana.
- Ernest A. Meyer, Sc.D.**, Associate Professor of Microbiology (1958).  
A.B. (1949), California; M.S. (1953), Purdue; Sc.D. (1958), Johns Hopkins.
- †**James V. Meyer, M.D.**, Senior Clinical Instructor in Surgery (1965).  
B.A. (1948), M.D. (1953), Texas.
- Sam L. Meyer, M.D.**, Assistant Professor of Ophthalmology (1968).  
B.A. (1957), Portland State; M.D., M.S. (1961), Oregon.
- †**Werner P. Meyn, M.D.**, Clinical Instructor in Pediatrics (1967).  
A.B. (1939), Augustana; B.S. (1941), Missouri; M.D. (1943), St. Louis.
- Robert D. Michel, M.D.**, Associate Professor of Medicine (1958).  
B.S. (1937), Northwestern; M.D. (1954), Oregon.
- †**Robert L. Mighell, M.D.**, Assistant Clinical Professor of Psychiatry (1962).  
B.A. (1950), M.D. (1953), Iowa.
- †**David B. Miller, Jr., M.D.**, Senior Clinical Instructor in Surgery (1959).  
B.A. (1949), Dartmouth; M.D. (1953), New York University.
- †**Bruce H. Miller, M.D.**, Clinical Instructor in Dermatology (1970).  
B.A. (1959), Amherst; M.D. (1963), S.U.N.Y. (Downstate).
- Michael J. Miller, M.D.**, Assistant Professor of Pediatrics (1967).  
B.S. (1955), Santa Clara; M.D. (1960), Oregon.
- †**Robert S. Miller, M.D.**, Associate Clinical Professor of Radiology (Diagnosis) (1960).  
B.A. (1951), Willamette; M.D. (1955), Oregon.
- †**Laurence W. Mills, B.S.**, Instructor in Research Instrument Service (Good Samaritan Hospital) (1968).  
B.S. (1958), Oregon.
- †**John C. Misko, M.D.**, Clinical Instructor in Neurosurgery (1969).  
B.S. (1954), M.D. (1958), Oregon.
- †**Joseph C. Mitchell, M.D.**, Assistant Clinical Professor of Obstetrics and Gynecology (1958).  
B.A. (1951), M.D. (1952), Oregon.
- †**William Montagna, Ph.D., D.Sc.**, Professor of Experimental Biology and Dermatology; Head of Division of Experimental Biology; (Director, Oregon Regional Primate Center) (1963).  
B.A. (1936), Ph.D. (1944), Cornell; D.Sc. (1960), Bethany.
- †**Thomas R. Montgomery, M.D.**, Clinical Professor of Urology (1939).  
B.A. (1928), M.D. (1932), Oregon.
- †**E. Albert Moody, M.D.**, Clinical Instructor in Pediatrics (1966).  
A.B. (1939), California; M.D. (1943), Rochester.
- †**Raymond E. Moore, M.D.**, Clinical Instructor in Family Practice (1958).  
B.A. (1951), Reed; M.D. (1953), Oregon.
- Richard D. Moore, M.D.**, Professor of Pathology; Chairman of Department (1969).  
M.D. (1947), Western Reserve.

† Volunteer.  
‡ Part-time.



MEDICAL  
SCHOOL  
FACULTY

- †**Robert J. Moore**, M.D., Associate Clinical Professor of Urology (1960).  
B.A. (1951), M.D. (1955), Oregon.
- Clarence L. Morgan**, M.D., Assistant Professor of Pediatrics (1967).  
B.S. (1954), Tufts; M.D. (1958), Harvard.
- Alan L. Morgenstern**, M.D., Associate Professor of Psychiatry (1965).  
B.A. (1954), Cornell; M.D. (1959), Duke.
- †**James F. Morris**, M.D., Associate Professor of Medicine (Veterans Hospital) (1957).  
A.B. (1943), Ohio Wesleyan; M.D. (1948), Rochester.
- Robert Morris**, B.S., Instructor, Research Instrument Service (1968).  
B.S. (1964), Portland State.
- †**Thomas E. Morris, Jr.**, M.D., Assistant Clinical Professor of Medicine (1960).  
B.A. (1938), Pacific; M.D. (1952), Oregon.
- ‡**Carl V. Morrison**, M.D., Associate Clinical Professor of Psychiatry (Child Psychiatry) (1947).  
M.D. (1933), Iowa.
- William E. Morton**, M.D., Dr. P.H., Professor of Public Health and Preventive Medicine (1967).  
B.S. (1952), Puget Sound; M.D. (1955), University of Washington; M.P.H. (1960), Dr.P.H. (1962), Michigan.
- †**Donald G. Moyer**, M.D., Assistant Clinical Professor of Dermatology (1967).  
B.S. (1952), M.D. (1955), Minnesota.
- †**Robert L. Mueller**, M.D., Assistant Clinical Professor of Radiology (Diagnosis) (1968).  
B.S. (1946), M.D. (1948), Oregon.
- †**L. Lee Murdoch**, M.D., Assistant Clinical Professor of Pediatrics (1967).  
B.A. (1957), Doane; M.D. (1960), Nebraska.
- †**Paul B. Myers**, M.D., Assistant Clinical Professor of Otolaryngology (1950).  
B.A. (1944), Oregon State; M.D. (1946), Oregon.
- †**Fred C. Nachtigal**, M.D., Clinical Instructor in Medicine (1969).  
B.A. (1949), B.S. (1953), M.D. (1953), Minnesota.
- †**Joseph W. Nadal**, M.D., Assistant Clinical Professor of Surgery (1944).  
A.B. (1932), Drury; M.D. (1937), Harvard; M.S. (1941), Michigan.
- †**George A. Nash**, M.D., Associate Clinical Professor of Pediatrics (1954).  
B.S. (1945), M.D. (1948), Oregon.
- †**Jack Naylor**, M.D., Clinical Instructor in Surgery (1965).  
B.A. (1951), Reed; M.S. (1952), Illinois Institute of Technology; M.D. (1957), Oregon.
- †**William A. Neill**, M.D., Associate Professor of Medicine (Veterans Hospital) (1963).  
B.A. (1951), Amherst; M.D. (1955), Cornell.
- †**Duncan R. Neilson**, M.D., Associate Clinical Professor of Obstetrics and Gynecology (1946).  
A.B. (1934), Pacific; M.D. (1938), Oregon.
- C. Donald Nelson**, Ph.D., Assistant Professor, Crippled Children's Division (1966).  
B.S. (1953), M.S. (1957), Utah; Ph.D. (1965), University of Washington.
- †**Gunnar E. C. Nelson**, M.D., Associate Clinical Professor of Obstetrics and Gynecology (1937).  
Ph.G. (1923), B.S. (1925), Washington State; M.D. (1933), Oregon.

† Volunteer.  
‡ Part-time.

## FACULTY

- †**James D. Nelson, M.D.**, Clinical Instructor in Orthopedics (1969).  
B.A. (1958), Drake; M.D. (1962), State University of Iowa.
- Burritt W. Newton, M.D.**, Assistant Professor of Obstetrics and Gynecology (1968).  
B.A. (1957), Ohio State; M.D. (1961), Western Reserve.
- †**Gregory B. Nichols, M.D.**, Clinical Instructor in Radiology (Diagnosis) (1950).  
M.D. (1943), Creighton.
- †**H. Minor Nichols, M.D.**, Senior Clinical Instructor in Surgery (1940).  
Ph.B. (1930), Yale; M.D. (1934), Oregon; M.S. (1937), Pennsylvania.
- Kenneth A. Niehans, B.A.**, Director of Public Affairs; Assistant Professor (1963).  
B.A. (1957), Oregon.
- Nelson R. Niles, M.D.**, Professor of Pathology (1952).  
M.D. (1947), Cornell.
- †**Lawrence Noall, M.D.**, Associate Clinical Professor of Orthopedics (1941).  
B.A. (1931), B.M. (1934), Utah; M.D. (1936), Northwestern.
- †**James S. Noble, M.D.**, Clinical Instructor in Pediatrics (1968).  
B.A. (1959), M.S., M.D. (1962), Oregon.
- †**Joseph E. Nohlgren, M.D.**, Associate Clinical Professor of Pathology (1949).  
B.S. (1935), South Dakota State; M.D. (1943), Oregon.
- †**Miles J. Novy, M.D.**, Assistant Professor of Obstetrics and Gynecology (1970).  
B.A. (1954), Yale; M.D. (1963), Harvard.
- James H. O'Brien, Ph.D.**, Assistant Professor of Medical Psychology (1968).  
B.A. (1959), M.A. (1963), Ph.D. (1966), Michigan.
- †**Ralph D. Odell, M.D.**, Senior Clinical Instructor in Surgery (1968).  
B.S. (1940), Northwestern; M.A. (1941), Michigan; B.A. (1943), M.D. (1947), Oregon.
- Evelyn L. Oginsky, Ph.D.**, Professor of Microbiology (1957).  
B.A. (1938), Cornell; M.S. (1939), Chicago; Ph.D. (1946), Maryland.
- †**John D. O'Hollaren, M.D.**, Assistant Clinical Professor of Medicine (1959).  
B.S. (1945), M.D. (1947), Oregon.
- †**Jay F. O'Leary, M.D.**, Assistant Clinical Professor of Pediatrics (1967).  
A.B. (1954), Harvard; M.D. (1958), University of Washington.
- Richard W. Olmsted, M.D.**, Professor of Pediatrics; Chairman of Department (1962).  
B.A. (1941), Dartmouth; M.D. (1944), Harvard.
- †**Thomas E. Olsen, M.D.**, Clinical Instructor in Pediatrics (1969).  
B.S. (1960), Lewis and Clark; M.D. (1964), Oregon.
- †**Donald E. Olson, M.D., Ph.D.**, Associate Clinical Professor of Medicine (1955).  
B.A. (1943), Reed; M.S., M.D. (1947), Ph.D. (1948), Oregon.
- Donald Roy Olson, M.D.**, Clinical Instructor in Medicine (1969).  
B.A. (1959), Carroll; M.D. (1963), Oregon.
- George D. Olsen, M.D.**, Assistant Professor of Pharmacology (1970).  
A.B. (1962), B.M.S. (1964), Dartmouth; M.D. (1966), Harvard.
- †**William R. Olson, M.D.**, Clinical Instructor in Medicine (1961).  
B.S. (1950), M.D. (1954), Creighton.

† Volunteer.  
‡ Part-time.

MEDICAL  
SCHOOL  
FACULTY

- †**Robert W. Olwine**, M.D., Senior Clinical Instructor in Surgery (1968).  
A.B. (1953), Hamilton; M.D. (1957), Virginia.
- †**James R. Orendurff**, M.D., Assistant Professor of Pathology (Veterans Hospital) (1964).  
B.A. (1950), M.A. (1954), M.D. (1959), Oregon.
- †**Samuel B. Osgood**, M.D., Associate Clinical Professor of Public Health and Preventive Medicine (1951).  
B.S. (1931), M.D. (1935), Oregon; M.S.P.H. (1939), California.
- Harold T. Osterud**, M.D., Professor of Public Health and Preventive Medicine; Chairman of Department (1961).  
B.S. (1944), Randolph Macon; M.D. (1947), Medical College of Virginia; M.P.H. (1951), North Carolina.
- †**Arthur L. Ovregaard**, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1954).  
B.A. (1944), College of Idaho; M.D. (1948), Oregon.
- †**Albert A. Oyama**, M.D., Assistant Clinical Professor of Pathology and Clinical Pathology (1959).  
B.S. (1951), M.D. (1953), Oregon.
- †**Otto C. Page**, M.D., Associate Clinical Professor of Medicine (1952).  
B.S. (1941), M.D. (1944), Boston.
- †**Robert N. Page, Jr.**, M.D., Senior Clinical Instructor in Ophthalmology (1967).  
B.A. (1955), M.D. (1959), Virginia.
- †**Marion E. Palmer**, M.D., Clinical Instructor in Anesthesiology (1950).  
B.S. (1938), Stanford; M.D. (1944), Washington University.
- †**Edwin G. Palmrose**, M.D., Clinical Instructor in Medicine (1969).  
B.S. (1942), M.D. (1944), Oregon.
- †**James L. Palotay**, D.V.M., Associate Professor of Pathology (Primate Center) (1968).  
D.V.M. (1950), Kansas State; M.S. (1958), Colorado State.
- †**Kenneth G. Paltrow**, M.D., Assistant Clinical Professor of Psychiatry (1967).  
B.A. (1954), Cornell; M.D. (1958), New York Medical College.
- †**Richard P. Panian**, M.D., Clinical Instructor in Otolaryngology (1965).  
B.S. (1952), Oregon State; M.D. (1960), Oregon.
- †**Joseph F. Paquet**, M.D., Assistant Clinical Professor of Medicine (1944).  
M.D. (1940), Duke.
- †**Paul F. Parakkal**, Ph.D., Associate Professor of Dermatology (Primate Center) (1969).  
B.Sc. (1952), Kerala (India); M.Sc. (1958), McGill; Ph.D. (1962), Brown.
- M. Ronald Parelius**, M.Sc., LL.B., Director of Research Services; Assistant Professor (1962).  
B.B.A. (1953), Oregon; M.Sc. (1954), New York University; LL.B. (1962), Northwestern College of Law.
- †**Richard B. Parker**, Ph.D., Associate Professor of Microbiology (Dental School) (1969).  
B.S. (1950), M.S. (1952), Ph.D. (1956), Oregon State.
- †**Robert S. Parker**, D.M.D., Associate Professor of Dentistry (1966).  
D.M.D. (1939), Oregon.
- Rose Marie Parker**, Instructor in Clinical Pathology (Medical Technology) (1967).
- †**Max H. Parrott**, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1949).  
B.S. (1938), Oregon State; M.D. (1940), Oregon; M.S. (1949), Michigan.

## FACULTY

- Philip F. Parshley, Jr., M.D.**, Assistant Clinical Professor of Surgery (1964).  
A.B. (1953), Dartmouth; M.D. (1956), Harvard.
- John W. Partridge, M.D.**, Senior Clinical Instructor in Medicine (1957).  
B.S. (1943), M.D. (1945), Chicago.
- Guy A. Parvaresh, M.D.**, Associate Clinical Professor of Psychiatry (1965).  
M.D. (1956), Tehran (Iran).
- Robert W. Patton, M.D.**, Clinical Instructor in Surgery (1951).  
B.S. (1936), St. Martin's; M.D. (1942), Creighton.
- David P. Paull, M.D.**, Assistant Clinical Professor of Urology (1953).  
B.A. (1942), Antioch; M.D. (1945), Western Reserve.
- Duane R. Paulson, D.D.S.**, Professor of Dentistry (1957).  
B.S. (1949), Puget Sound; D.D.S. (1954), Northwestern.
- Ira B. Pauly, M.D.**, Associate Professor of Psychiatry (1962).  
B.A. (1954), M.D. (1958), U.C.L.A.
- Harold D. Paxton, M.D.**, Professor of Neurosurgery; Head of Division (1956).  
M.D. (1948), Johns Hopkins.
- Roy A. Payne, M.D.**, Assistant Clinical Professor of Medicine (1960).  
B.S. (1953), Portland; M.D. (1955), Oregon.
- Anthony A. Pearson, Ph.D.**, Professor of Anatomy; Chairman of Department (1946).  
B.S. (1928), Furman; M.A. (1930), Ph.D. (1933), Michigan.
- George A. Peirson, M.D.**, Clinical Instructor in Physical Medicine and Rehabilitation (1966).  
B.A. (1945), Oregon State; M.D. (1947), Oregon.
- Merle Pennington, M.D.**, Clinical Instructor in Family Practice (1970).  
M.D. (1944), Oregon.
- Martin L. Pernoll, M.D.**, Assistant Professor of Obstetrics and Gynecology (1970).  
B.S. (1962), Oregon; M.D. (1963), Texas (Galveston).
- Frank Perlman, M.D.**, Clinical Professor of Medicine (1935).  
B.S. (1931), M.D. (1933), Wisconsin.
- Bruce A. Peters, M.D.**, Clinical Instructor in Anesthesiology (1968).  
B.S. (1957), Oregon State; M.D. (1961), Oregon.
- Walter A. Petersen, M.S.**, Assistant Professor of Physiology; Director of Computer Center (1968).  
B.S. (1957), California Institute of Technology; M.S. (1968), Portland State.
- Clare G. Peterson, M.D.**, Professor of Surgery (1944).  
B.A. (1939), M.D. (1943), M.S. (1945), Oregon.
- Heyes Peterson, M.D.**, Assistant Clinical Professor of Medicine (1947).  
B.S. (1934), University of Washington; M.D. (1938), Chicago.
- Alexander E. Petroff, M.D.**, Clinical Instructor in Otolaryngology (1960).  
B.S. (1949), Pacific University; M.S., M.D. (1955), Oregon.
- James L. Petroske, M.D.**, Clinical Instructor in Psychiatry (1965).  
B.S. (1955), Portland; M.D. (1959), Oregon.
- Carl A. Petterson, M.D.**, Clinical Instructor in Medicine (1957).  
B.A. (1938), M.D. (1942), Kansas.
- Ronald W. Philips, M.D.**, Clinical Instructor in Radiology (Diagnosis) (1966).  
B.S. (1950), Pepperdine; M.D. (1955), College of Medical Evangelists (Loma Linda).

Volunteer.  
Leave of absence August 1, 1970 to July 31, 1971.

MEDICAL  
SCHOOL  
FACULTY

- David S. Phillips**, Ph.D., Associate Professor of Medical Psychology (1963). V.  
A.B. (1958), Wabash; M.S. (1960), Ph.D. (1962), Purdue.
- †**Richard H. Phillips**, M.D., Assistant Clinical Professor of Psychiatry (1964).  
B.S. (1959), Portland State; M.D. (1960), Oregon.
- ‡**Charles H. Phoenix**, Ph.D., Professor of Medical Psychology (Primate Center  
(1965).  
B.A. (1945), Connecticut; M.A. (1950), Ph.D. (1954), Boston.
- †**Wayne M. Pidgeon**, M.D., Assistant Clinical Professor of Psychiatry (1959).  
B.S. (1947), M.D. (1951), Oregon.
- †**Allan R. Pike**, D.D.S., M.S., Assistant Clinical Professor of Dentistry (1969).  
D.D.S. (1962), Marquette; M.S. (1969), Oregon.
- †**Charles T. Pinney**, M.D., Clinical Instructor in Medicine (1959).  
A.B. (1943), M.D. (1946), Michigan.
- Bernard Pirofsky**, M.D., Professor of Medicine; Head of Division of Immunol-  
ogy and Allergy (1956).  
A.B. (1946), M.D. (1950), New York University.
- †**Robert G. Pittenger**, M.D., Senior Clinical Instructor in Medicine (1957).  
B.S. (1948), M.D. (1950), Oregon.
- †**G. Wayne Plummer**, B.D., Clinical Instructor in Psychiatry (1970).  
B.M. (1949), Westminster Choir College; B.D. (1952), Princeton.
- †**James M. Pomeroy**, M.D., Assistant Clinical Professor of Pediatrics (1966).  
B.S. (1936), M.D. (1941), Louisiana State.
- Caroline H. Pommarane**, B.S., Registrar; Associate Professor (1943).  
B.S. (1928), Nebraska.
- †**John Karl Poppe**, M.D., Senior Clinical Instructor in Cardiopulmonary Surgery  
(1946).  
A.B. (1933), Hamilton; M.D. (1937), Rochester.
- †**Donald R. Porter**, D.D.S., Professor of Dentistry (1953).  
D.D.S. (1951), M.S. (1953), Michigan.
- George A. Porter**, M.D., Associate Professor of Medicine; Chief, Section of  
Renology (1964).  
B.S. (1953), Oregon State; M.S., M.D. (1957), Oregon.
- †**Oscar W. Portman**, M.D., Professor of Biochemistry (Primate Center) (1965).  
B.S. (1945), U. S. Military Academy; M.D. (1954), Harvard.
- †**Robert H. Post**, M.D., Clinical Instructor in Orthopedics (1968).  
A.B. (1956), Princeton; M.D. (1960), Cornell.
- William H. Prentice**, Director of Program Planning; Assistant Professor (1970)
- †**Edward Press**, M.D., Clinical Professor of Pediatrics and Public Health a  
Preventive Medicine (1968).  
B.A. (1934), Ohio; M.D. (1937), New York University; M.P.H. (1947), Harvard.
- ‡**Gerald H. Prescott**, D.D.S., Assistant Clinical Professor of Medical Genetics  
(1968).  
B.S. (1959), College of Idaho; D.D.S. (1964), Washington University; M.S. (1960),  
Indiana.
- †**William E. Purnell**, M.D., Clinical Instructor in Radiology (Diagnosis) (1966).  
M.D. (1948), Boston.
- †**Irving Puziss**, M.D., Clinical Instructor in Surgery (1956).  
B.S. (1946), M.D. (1948), Oregon.

† Volunteer.  
‡ Part-time.

## FACULTY

- William J. Pyrch, M.D.**, Clinical Instructor in Family Practice (1967).  
B.A. (1947), British Columbia; M.D. (1951), Oregon.
- Arden Quan, M.D.**, Assistant Professor of Psychiatry (1964).  
B.A. (1955), Reed; M.D. (1957), Oregon.
- Robert Quinton-Cox, Ph.D.**, Associate Professor of Anatomy (Dental School) (1968).  
F.I.M.L.T. (1954), Sir John Mass (London); I.N.T.B.Sc. (1956), Woolwich Poly (London); Ph.D. (1963), Emory.
- John Raaf, M.D., Ph.D.**, Clinical Professor of Neurosurgery; Senior Consultant (1937).  
B.A. (1926), M.D. (1930), Stanford; M.S. (1935), Ph.D. (1941), Minnesota.
- James Richard Raines, M.D.**, Associate Clinical Professor of Radiology (Diagnosis) (1947).  
B.A. (1933), M.D. (1935), Oklahoma.
- Fred J. Rampone, Ph.D.**, Associate Professor of Physiology (1955).  
B.A. (1947), M.A. (1950), British Columbia; Ph.D. (1954), Northwestern.
- James de Witt Rankin, B.S.**, Instructor in Pathology (Cytotechnology) (1959).  
B.S. (1951), Portland.
- Robert M. Rankin, M.D.**, Clinical Instructor in Orthopedics (1954).  
B.A. (1944), Reed; M.D. (1946), Oregon.
- Richard R. Ranney, D.D.S.**, Assistant Professor of Dentistry (1970).  
D.D.S. (1963), Iowa; M.S. (1969), Rochester.
- Robert E. Ransmeier, M.D., Ph.D.**, Assistant Clinical Professor of Psychiatry (1965).  
B.S. (1946), M.Sc. (1949), Ph.D. (1953), Chicago; M.D. (1957), Colorado.
- Abdel L. Rashad, M.D., Ph.D.**, Assistant Professor of Clinical Pathology (1969).  
M.D. (1959), Cairo; M.S., Ph.D. (1966), University of Washington.
- Michael R. Rask, M.D.**, Clinical Instructor in Orthopedics (1965).  
B.S. (1952), Oregon State; M.D. (1955), Oregon.
- Paul Rasmussen, M.D.**, Professor of Pediatrics; Professor, Crippled Children's Division (1962).  
B.A. (1932), Utah; M.D. (1935), Duke.
- Jesse L. Ray, M.D.**, Assistant Clinical Professor of Obstetrics and Gynecology (1953).  
B.A. (1935), M.D. (1939), Stanford.
- Leon F. Ray, M.D.**, Clinical Professor of Dermatology (1939).  
Ph.C. (1930), North Pacific College of Pharmacy; B.S. (1931), Oregon State; M.D. (1935), Oregon.
- Alph B. Reaume, M.D.**, Assistant Clinical Professor of Medicine (1959).  
M.D. (1953), Washington University.
- Edgar M. Rector, M.D.**, Clinical Professor of Pediatrics (1946).  
S.B. (1937), Haverford; M.D. (1941), Harvard.
- John T. Redfield, M.D.**, Clinical Instructor in Environmental Medicine (1967).  
B.A. (1954), M.D. (1957), Wisconsin; M.S. (1965), Ohio State.
- Charles E. Reed, M.D.**, Clinical Instructor in Continuing Education (1970).  
M.D. (1961), Southern California.
- Daniel L. Reed, M.D.**, Senior Clinical Instructor in Surgery (1964).  
B.S. (1952), Michigan State; M.D. (1956), Michigan.

MEDICAL  
SCHOOL  
FACULTY

- †**Melvin M. Reeves, M.D.**, Clinical Instructor in Surgery (1957).  
B.S. (1943), Hamline; B.M. (1946), M.D. (1947), M.S. (1957), Minnesota.
- †**Jerome M. Reich, M.D.**, Clinical Instructor in Medicine (1970).  
A.B. (1958), New York University; M.D. (1962), State University of New York (Syracuse).
- †**Philip J. Reilly, M.D.**, Clinical Instructor in Neurology (1959).  
B.S. (1949), St. Thomas; M.D. (1953), Marquette.
- †**Gerald R. Reimer, M.D.**, Clinical Instructor in Neurology (1967).  
B.S. (1963), Oklahoma State; M.D. (1963), Oklahoma.
- †**Walter C. Reiner, M.D.**, Senior Clinical Instructor in Surgery (1948).  
B.S. (1930), Montana State University; M.D. (1934), College of Medical Evangelists (Loma Linda).
- †**John A. Resko, Ph.D.**, Assistant Professor of Physiology (Primate Center) (1965).  
B.A. (1955), St. Charles Seminary; M.S. (1960), Marquette; Ph.D. (1963), Illinois.
- †**David W. Rich, M.D.**, Clinical Instructor in Neurology (1969).  
B.S. (1962), M.D. (1964), Oregon.
- †**Norman H. Rickles, D.D.S.**, Professor of Pathology and Dentistry (Dental School) (1957).  
D.D.S. (1947), Washington University; M.S. (1951), California.
- \***Demetrios A. Rigas, Ph.D.**, Professor of Biochemistry and Medical Genetics (1953).  
Ch.E. (1941), Ph.D. (1943), National University of Engineering Science, Athens (Greece).
- William K. Riker, M.D.**, Professor of Pharmacology; Chairman of Department (1969).  
B.A. (1949), Columbia; M.D. (1953), Cornell.
- †**James A. Riley, M.D.**, Assistant Clinical Professor of Medicine (1949).  
B.A. (1941), Oregon State; M.D. (1943), Oregon.
- †**Robert E. Rinehart, M.D.**, Assistant Clinical Professor of Medicine (1953).  
B.S. (1937), Oregon State; M.S., M.D. (1942), Oregon.
- Marvin B. Rittenberg, Ph.D.**, Associate Professor of Microbiology and Medicine (1966).  
B.A. (1954), M.A. (1959), Ph.D. (1961), California.
- †**Leonard W. Ritzmann, M.D.**, Professor of Medicine (Veterans Hospital) (1954).  
B.A. (1942), Valparaiso; M.D. (1945), Washington University.
- †**Joseph M. Roberts, M.D.**, Senior Clinical Instructor in Surgery (1936).  
B.A. (1929), M.D. (1932), Oregon.
- †**Peter H. R. Roberts, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1968).  
B.S. (1959), Oregon State; M.D. (1962), Oregon.
- †**Keith A. Robertson, M.D.**, Senior Clinical Instructor in Surgery (1966).  
B.S. (1956), M.D. (1960), Oregon.
- Ralph D. Robertson, M.D.**, Associate Professor of Surgery (1964).  
A.B. (1954), M.D. (1957), Harvard.
- †**William E. Robertson, M.D.**, Clinical Instructor in Medicine (1969).  
B.S. (1960), Gonzaga; M.D. (1964), St. Louis University.

† Volunteer.

‡ Part-time.

\* Leave of absence September 1, 1970 to August 31, 1971.

## FACULTY

- George M. Robins, M.D.**, Assistant Clinical Professor of Medicine (1948).  
B.A. (1936), Columbia; M.D. (1940), Louisville.
- Edwin G. Robinson, M.D.**, Senior Clinical Instructor in Orthopedics (1950).  
M.D. (1930), Northwestern.
- Horace C. Robison, M.D.**, Clinical Instructor in Ophthalmology (1970).  
B.S. (1960), Washington Lee; M.D. (1964), Virginia.
- Michael J. Roddy, M.D.**, Clinical Instructor in Radiology (Diagnosis) (1970).  
M.D. (1957), Creighton.
- Jancy A. Rodich, M.L.S.**, Acquisitions Librarian; Instructor (1968).  
B.A. (1953), M.L.S. (1968), Oregon.
- Thomas L. W. Roe, M.D.**, Assistant Clinical Professor of Pediatrics (1967).  
B.S. (1959), Oregon State; M.D. (1961), Oregon.
- Allan L. Rogers, B.S.**, Director of Animal Care Program; Assistant Professor (1961).  
B.S. (1944), Connecticut.
- Richard C. Rogers, M.D.**, Clinical Instructor in Cardiopulmonary Surgery (1970).  
B.A. (1956), M.D. (1960), Harvard.
- Wayne R. Rogers, M.D.**, Assistant Clinical Professor of Medicine (1956).  
M.D. (1947), Tennessee.
- Troy G. Rollins, M.D.**, Associate Clinical Professor of Dermatology (1966).  
B.S. (1945), M.S. (1946), M.D. (1948), Minnesota.
- Richard A. Romaine, M.D.**, Clinical Instructor in Dermatology (1970).  
B.S. (1957), M.D. (1960), Oregon.
- Donald V. Romanaggi, M.D.**, Clinical Instructor in Medicine (1966).  
B.S. (1956), Portland; M.D. (1960), Loyola.
- Jary J. Rood, M.A.**, Administrator, Medical School Hospital; Assistant Professor (1967).  
B.S. (1961), Walla Walla; M.A. (1964), Iowa.
- Josef Rösch, M.D.**, Professor of Radiology (Diagnosis) (1970).  
M.U.Dr. (1950), Dr. M.Sci. (1965), Charles (Prague).
- Hilton W. Rose, M.D.**, Assistant Clinical Professor of Environmental Medicine (1965).  
L.L.S. (1927), Sorbonne; B.A. (1928), M.D. (1931), Oregon.
- Leonard B. Rose, M.D.**, Associate Clinical Professor of Medicine (1956).  
A.B. (1939), New York University; M.D. (1943), Georgetown.
- Edward E. Rosenbaum, M.D.**, Clinical Professor of Medicine; Acting Head of Division of Rheumatology (1948).  
B.S. (1936), M.D. (1938), Nebraska; M.S. (1947), Minnesota.
- William M. Rosenbaum, M.D.**, Clinical Instructor in Surgery (1949).  
B.S. (1938), M.D. (1940), Nebraska.
- Millard S. Rosenblatt, M.D.**, Clinical Professor of Surgery (1930).  
A.B. (1922), Stanford; M.D. (1925), Harvard.
- Leather G. Rosenwinkel, M.A.**, Reference Librarian; Assistant Professor (1965).  
B.A. (1959), Bishop's University (Ontario); M.A. (1966), Minnesota.
- Benjamin B. Ross, Ph.D.**, Professor of Physiology (1954).  
B.S. (1949), Union; Ph.D. (1954), Rochester.



MEDICAL  
SCHOOL  
FACULTY

- John Gordon Roth, M.D.**, Associate Professor of Neurology (1958).  
A.B. (1947), Wichita; M.D. (1950), Kansas.
- †**Willard D. Rowland, M.D.**, Assistant Clinical Professor of Surgery (1947).  
A.B. (1936), M.D. (1940), Washington University.
- †**David R. Rullman, M.D.**, Clinical Instructor in Medicine (1964).  
B.S. (1953), M.D. (1957), Cincinnati.
- †**Irvin F. Rumbaugh, M.D.**, Senior Clinical Instructor in Medicine (1963).  
B.S. (1951), Franklin and Marshall; M.D. (1955), Pennsylvania.
- ‡**Donald S. Rushmer, Ph.D.**, Instructor in Neurology (Good Samaritan Hospital) (1969).  
B.S. (1965), Antioch; Ph.D. (1969), Rochester.
- †**Paul S. Russell, M.D.**, Assistant Clinical Professor of Dermatology (1969).  
B.A. (1956), M.D. (1957), Texas.
- †**Arnold Rustin, M.D.**, Assistant Clinical Professor of Urology (1954).  
M.D. (1950), Iowa.
- †**Bernard F. Ryan, M.D.**, Associate Professor of Dermatology (1960).  
B.A. (1934), M.D. (1936), Oregon; M.S. (1945), Minnesota.
- †**Russell N. Sacco, M.D.**, Clinical Instructor in Urology (1968).  
B.S. (1957), M.D. (1960), Wisconsin.
- R. Bradley Sack, M.D., Sc.D.**, Associate Professor of Medicine; Head, Division of Infectious Diseases (1970).  
B.S. (1956), Lewis and Clark; M.S., M.D. (1960), Oregon; Sc.D. (1968), Johns Hopkins.
- ‡**Marianne Sanders, M.D.**, Clinical Instructor in Medicine (1970).  
B.S. (1966), M.D. (1970), Oregon.
- †**Ivan L. Sandoz, M.D.**, Assistant Clinical Professor of Urology (1964).  
B.Sc. (1953), M.D. (1957), Ohio State.
- George Saslow, M.D., Ph.D.**, Professor of Psychiatry; Chairman of Department (1957).  
Sc.B. (1926), Ph.D. (1931), New York University; M.D. (1940), Harvard.
- Makoto Sato, M.D., Ph.D.**, Associate Professor of Neurosurgery (1965).  
M.D. (1954), Ph.D. (1959), Iwate Medical College (Japan).
- †**George R. Satterwhite, M.D.**, Associate Clinical Professor of Radiology (Diagnosis) (1959).  
B.S. (1950), Seattle University; M.D. (1953), St. Louis.
- †**George C. Saunders, M.D.**, Senior Clinical Instructor in Otolaryngology (1933).  
B.S. (1923), Virginia; M.D. (1927), Washington University.
- †**James A. Saunders, M.D.**, Clinical Instructor in Ophthalmology (1967).  
B.S. (1957), Portland State; M.D. (1960), Oregon.
- †**Thomas S. Saunders, M.D.**, Clinical Professor of Dermatology (1937).  
Ph.G. (1928), B.S. (1930), M.D. (1932), Maryland; M.S. (1937), Minnesota.
- †**Bhim S. Savara, D.M.D.**, Professor of Dentistry (1950).  
B.D.S. (1946), De Montmorency College of Dentistry, Lahore (India); L.D.S., R.C.S. (1947), Royal Dental Hospital, London; M.S. (1950), Illinois; D.M.D. (1957), Oregon.
- †**Paul E. Schaff, M.D.**, Clinical Instructor in Anesthesiology (1959).  
B.S. (1942), Idaho; M.D. (1951), Oregon.
- †**Quinten Scherman, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1953).  
B.A. (1952), M.A. (1943), South Dakota; M.D. (1945), Oregon.

† Volunteer.

‡ Part-time.

## FACULTY

- James R. Schimshock, M.D.**, Clinical Instructor in Neurology (1968).  
B.A. (1957), M.D. (1961), Minnesota.
- Alexander J. Schleuning, M.D.**, Assistant Professor of Otolaryngology (1967).  
B.A. (1956), Stanford; M.D. (1960), Oregon.
- John A. Schriver, M.D.**, Instructor in Medicine (1970).  
B.S. (1959), Bethany; M.D. (1963), State University of New York (Buffalo).
- Alfred J. Schroeder, M.D.**, Clinical Instructor in Otolaryngology (1967).  
B.A. (1951), Michigan State; M.D. (1957), Michigan.
- George J. Schunk, M.D.**, Associate Clinical Professor of Pediatrics (1954).  
A.B. (1943), Jamestown; B.S. (1944), North Dakota; M.D. (1946), Illinois.
- Marvin Schwartz, M.D.**, Associate Clinical Professor of Medicine (1945).  
A.B. (1935), M.D. (1939), M.S. (1945), Wayne State.
- Edward M. Scott, Ph.D.**, Associate Professor of Psychiatry (1968).  
B.A. (1946), Notre Dame; M.S. (1951), Ph.D. (1953), Portland.
- William C. Scott, M.D.**, Assistant Clinical Professor of Medicine (1946).  
B.S. (1935), College of Idaho; B.M. (1939), M.D. (1940), Northwestern.
- Stephen W. J. Seager, M.V.B.**, Instructor in Animal Care (1968).  
B.A. (1964), M.V.B. (1966), Trinity College (Dublin).
- Arthur J. Seaman, M.D.**, Professor of Medicine; Head of Division of Hematology (1948).  
B.A. (1939), M.D. (1942), Cincinnati.
- Geoffrey V. F. Seaman, Ph.D.**, Associate Professor of Biochemistry and Neurology (Neurochemistry) (1966).  
B.Sc. (1955), Royal College of Science (London); Ph.D. (1959), Cambridge.
- Philip Selling, M.D.**, Clinical Professor of Medicine (1946).  
B.A. (1935), Reed; M.D. (1939), Oregon.
- Herbert J. Semler, M.D.**, Assistant Clinical Professor of Medicine (1960).  
B.S. (1949), University of Washington; M.S., M.D. (1953), Oregon.
- Will L. Senders, M.D.**, Senior Clinical Instructor in Medicine (1957).  
B.S. (1947), Willamette; M.D. (1950), Oregon.
- Joel L. Seres, M.D.**, Clinical Instructor in Neurosurgery (1968).  
B.S. (1954), Delaware; M.D. (1958), Jefferson.
- David L. Sessions, M.D.**, Assistant Clinical Professor of Pediatrics; Clinical Instructor in Psychiatry (1964).  
A.B. (1954), Princeton; M.D. (1958), Washington University.
- Jon C. Sewell, M.D.**, Clinical Instructor in Radiology (Diagnosis) (1969).  
M.D. (1963), Arkansas.
- Harry Shaich, M.S.**, Assistant Professor of Radiology (Therapy) (Radiation Physics) (1962).  
B.E.E. (1948), Cornell; M.S. (1958), State College, New York; M.S. (1962), Columbia.
- Ralph E. Shambaugh, M.D.**, Assistant Clinical Professor of Medicine (1960).  
M.D. (1948), Nebraska.
- James G. Shanklin, M.D.**, Clinical Professor of Psychiatry (1952).  
M.D. (1939), Indiana.
- Leonard E. Shapland, B.A.**, Student Financial Aid Officer; Instructor (1968).  
B.A. (1947), Linfield.
- John M. Shaw, M.D.**, Associate Clinical Professor of Dermatology (1959).  
M.D. (1949), Michigan.

MEDICAL  
SCHOOL  
FACULTY

- †**Paul E. Shick, M.D.**, Associate Professor of Medicine (Veterans Hospital) (1969).  
B.A. (1943), Texas Technological; M.D. (1946), Tulane.
- †**Ambrose B. Shields, M.D.**, Assistant Clinical Professor of Surgery (1966).  
B.S. (1938), M.D. (1940), Kansas.
- †**John F. Schilke, M.D.**, Clinical Instructor in Pediatrics (1970).  
B.A. (1961), M.D. (1965), Yale.
- †**Fred C. Shapps, M.D.**, Associate Clinical Professor of Radiology (Diagnosis) (1954).  
A.B. (1942), Ohio Wesleyan; M.D. (1945), Western Reserve.
- †**Nathan Shlim, M.D.**, Senior Clinical Instructor in Surgery (1956).  
B.A. (1937), Wisconsin; M.D. (1941), Rush (University of Chicago).
- †**James H. Shore, M.D.**, Clinical Instructor in Psychiatry (1970).  
M.D. (1965), Duke.
- †**Faulkner A. Short, M.D.**, Senior Clinical Instructor in Orthopedics (1945).  
B.A. (1932), M.D. (1936), Oregon.
- †**A. Clair Siddall, M.P.H.**, Assistant Clinical Professor of Environmental Medicine (1962).  
A.B. (1949), Oberlin; M.P.H. (1953), Michigan.
- Benjamin V. Siegel, Ph.D.**, Professor of Pathology (1961).  
B.S. (1943), Georgia; M.A. (1937), Columbia; Ph.D. (1950), Stanford.
- †**Ranvir H. Sinanan, M.B.**, Assistant Clinical Professor of Pediatrics (1967).  
M.B., B.Ch. (1960), Queen's (Belfast).
- Gretchen N. Skalbeck, Ph.D.**, Associate Professor of Speech Pathology and Audiology, Crippled Children's Division (1968).  
B.S. (1952), Minnesota; M.A. (1955), Ph.D. (1963), University of Washington.
- Richard L. Sleeter, M.D.**, Assistant Dean; Director of Crippled Children's Division, Professor; Professor of Pediatrics (1953).  
B.A. (1940), Oregon; M.D. (1943), Washington University.
- †**Donald B. Slocum, M.D.**, Assistant Clinical Professor of Orthopedics (1956).  
B.S. (1932), Stanford; M.D. (1935), Oregon; M.S. (1939), Tennessee.
- †**Richard D. Sloop, M.D.**, Assistant Clinical Professor of Surgery (1965).  
B.S. (1954), Oregon State; M.D., M.S. (1956), Oregon.
- Catherine A. Smith, Ph.D.**, Professor of Otolaryngology (1969).  
A.B. (1935), M.S. (1948), Ph.D. (1951), Washington University.
- †**Frank B. Smith, M.D.**, Associate Clinical Professor of Orthopedics (1944).  
B.A. (1933), Southern California; C.M., M.D. (1937), McGill; M.A. (Orth. Surg.) (1943), Minnesota.
- †**Frederic W. Smith, M.D.**, Associate Professor of Medicine (Veterans Hospital) (1960).  
B.S. (1947), Kansas State; M.D. (1956), Cornell.
- Gerald M. Smith, Ed.D.**, Associate Professor, Crippled Children's Division (1969).  
B.S. (1953), M.S. (1959), Oregon; Ed.D. (1964), Colorado State.
- †**John C. Smith, II, M.D.**, Assistant Clinical Professor of Pathology (1960).  
B.S. (1950), Oklahoma; M.D. (1954), Johns Hopkins.
- †**Kent Ronald Smith, M.D.**, Clinical Instructor in Medicine (1963).  
B.A. (1954), Reed; M.D. (1956), Oregon.

## FACULTY

- Lendon H. Smith, M.D.**, Associate Clinical Professor of Pediatrics (1951).  
B.A. (1944), Reed; M.D. (1946), Oregon.
- Mary Anne Smith, M.D.**, Clinical Instructor in Psychiatry (1965).  
B.A. (1951), Wellesley; M.D. (1959), Cornell.
- Roger G. Smith, M.D.**, Clinical Instructor in Medicine (1969).  
A.B. (1953), Brown; M.D. (1964), Tufts.
- Kenneth D. Smyth, M.D.**, Associate Professor of Orthopedics in Physical Medicine, Head of Division; Assistant Professor of Otolaryngology (1967).  
B.A. (1947), College of Idaho; M.D. (1953), Oregon.
- Philip A. Snedecor, M.D.**, Assistant Clinical Professor of Surgery (1958).  
A.B. (1949), Stanford; M.D. (1953), Oregon.
- Vinton D. Sneeden, M.D.**, Clinical Professor of Pathology (1939).  
B.A. (1932), Linfield; M.D. (1936), Oregon.
- William E. Snell, M.D.**, Professor of Orthopedics; Head of Division (1951).  
B.S. (1943), M.D. (1945), Oregon.
- R. Glenn Snodgrass, M.D.**, Clinical Instructor in Neurology (1964).  
B.A. (1952), M.D. (1955), Kansas.
- William M. Snook, M.D.**, Associate Clinical Professor of Pediatrics (1954).  
M.D. (1949), Virginia.
- John L. Soelling, M.D.**, Assistant Clinical Professor of Medicine (1953).  
B.A. (1944), Columbia; M.D. (1946), New York Medical College.
- Charles H. Sparks, M.D.**, Senior Clinical Instructor in Cardiopulmonary Surgery (1958).  
B.S. (1944), Missouri School of Mines; M.D. (1951), St. Louis.
- Leland Clair Spaulding, M.D.**, Clinical Instructor in Surgery (1969).  
B.A. (1952), Walla Walla; M.D. (1956), Loma Linda.
- James T. Speros, M.D.**, Professor of Medicine (1940).  
B.A. (1931), M.D. (1934), Oregon; M.P.H. (1941), Johns Hopkins.
- Dick B. Speight, A.B.**, Director of Admissions; Instructor (1969).  
A.B. (1956), Central Michigan.
- John H. Springer, M.D.**, Associate Clinical Professor of Pediatrics (1961).  
B.S. (1953), Portland; M.D. (1957), Loyola.
- George V. Squire, M.D.**, Clinical Instructor in Medicine (1959).  
B.A. (1942), Iowa; B.S. (1949), M.D. (1951), Minnesota.
- James F. Stager, M.D.**, Clinical Instructor in Pediatrics (1969).  
B.S. (1958), Toledo; M.D. (1952), Northwestern.
- Thad C. Stanford, M.D.**, Clinical Instructor in Orthopedics (1965).  
A.B. (1945), M.D. (1958), Michigan.
- Robert E. Stanton, M.D.**, Clinical Instructor in Pediatrics (1966).  
B.A. (1954), M.D. (1957), California.
- Albert Starr, M.D.**, Professor of Cardiopulmonary Surgery; Head of Division (1957).  
B.A. (1946), M.D. (1949), Columbia.
- Charles R. Starr, M.D.**, Clinical Instructor in Surgery (1968).  
B.S. (1953), M.D. (1956), Wisconsin.
- Grier F. Starr, M.D.**, Assistant Clinical Professor of Pathology (1959).  
B.S. (1947), Jamestown; M.D. (1951), Northwestern.

MEDICAL  
SCHOOL  
FACULTY

- †**Howard C. Stearns**, M.D., Clinical Professor of Obstetrics and Gynecology (1932).  
B.S. (1924), M.S. (1925), Oregon State; M.D. (1929), Oregon.
- †**Dan N. Steffanoff**, M.D., D.M.D., Assistant Clinical Professor of Surgery (1951).  
B.A. (1930), M.D. (1934), D.M.D. (1942), Oregon.
- Edward S. Sterling**, D.D.S., Assistant Professor, Crippled Children's Division (1969).  
B.S. (1963), D.D.S. (1965), Illinois.
- †**John W. Stephens**, M.D., Associate Clinical Professor of Medicine (1953).  
B.S. (1939), M.D. (1944), Alberta.
- Janice R. Stevens**, M.D., Associate Professor of Neurology (1955).  
B.A. (1944), Reed; M.D. (1949), Boston University.
- †**Bill Lee Stevenson**, Ph.D., Clinical Instructor in Environmental Medicine (1968).  
B.S. (1957), Texas Wesleyan; M.S. (1965), Ph.D. (1968), Oklahoma.
- †**John L. Stevenson, Jr.**, M.D., Associate Clinical Professor of Pediatrics (1957).  
A.B. (1950), Stanford; M.D. (1954), Oregon.
- †**Loren W. Stille**, M.D., Assistant Professor of Radiology (Diagnosis) (Veterans Hospital) (1969).  
B.S. (1943), M.D. (1945), Wisconsin.
- †**Charles S. Stitt**, D.D.S., Senior Clinical Instructor in Public Health and Preventive Medicine (1968).  
B.S. (1948), Bethany; D.D.S. (1952), Pittsburgh; M.P.H. (1962), California.
- Svorad Stolic**, M.D., Ph.D., Visiting Assistant Professor of Pharmacology (1969).  
M.D. (1962), Bratislava; Ph.D. (1969), Czechoslovakia Academy of Science.
- †**Gordon A. Stoney**, M.D., Clinical Instructor in Radiology (Diagnosis) (1965).  
B.S. (1952), M.D. (1955), Cincinnati.
- †**Henry E. Storino**, M.D., Clinical Instructor in Neurology (1966).  
B.S. (1949), Washington State; M.D. (1953), Creighton.
- Frances Judy Storrs**, M.D., Assistant Professor of Dermatology (1969).  
B.A. (1960), Carleton; M.D. (1964), Cornell.
- William A. Stotler**, Ph.D., Professor of Anatomy (1946).  
A.B. (1935), Westminster; M.S. (1937), St. Louis; Ph.D. (1942), Cornell.
- †**Frank B. Strange**, Ph.D., Lecturer in Medical Psychology (1968).  
A.B. (1949), M.A. (1950), University of Portland; Ph.D. (1953), Washington University.
- †**Kurt R. Straube**, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1960).  
M.D. (1952), Vienna.
- Agnar A. Straumfjord**, M.D., Associate Professor of Psychiatry; Director Student Health Service (1966).  
B.A. (1950), Willamette; M.S., M.D. (1955), Oregon.
- †**Esther A. Strom**, M.D., Clinical Instructor in Medicine (1968).  
B.S. (1959), M.D. (1961), Oregon.
- †**Eugene S. Sullivan**, M.D., Senior Clinical Instructor in Surgery (1959).  
B.S. (1950), M.D. (1953), Wisconsin.
- †**Ralph R. Sullivan**, M.D., Associate Clinical Professor of Environmental Medicine; Clinical Instructor in Dermatology (1951).  
B.S. (1927), M.B. (1929), M.D. (1930), Minnesota; M.P.H. (1942), Michigan.

## FACULTY

- †**Vernon, L. Summers, M.D.**, Clinical Instructor in Family Practice (1970).  
M.D. (1948), Oregon.
- Cecile O. Sunderland, M.D.**, Instructor in Pediatrics (1970).  
B.A. (1955), American International; M.D. (1962), State University of New York (Syracuse).
- Walter A. Sunderland, M.D.**, Instructor in Pediatrics (1970).  
B.A. (1953), Champlain; M.D. (1957), State University of New York (Syracuse).
- †**Donald W. Sutherland, M.D.**, Assistant Clinical Professor of Medicine (1963).  
B.A. (1953), Amherst; M.D. (1957), Harvard.
- Kenneth C. Swan, M.D.**, Professor of Ophthalmology; Chairman of Department (1944).  
B.A. (1933), M.D. (1936), Oregon.
- Roy L. Swank, M.D., Ph.D.**, Professor of Medicine; Head of Division of Neurology (1953).  
B.S. (1930), University of Washington; Ph.D. (1935), M.D. (1936), Northwestern.
- J. Robert Swanson, Ph.D.**, Assistant Professor of Clinical Pathology (1969).  
B.S. (1961), Colorado State; Ph.D. (1965), Washington State.
- Robert E. Swanson, Ph.D.**, Associate Professor of Physiology (1961).  
B.A. (1949), Ph.D. (1953), Minnesota.
- †**William R. Sweetman, M.D.**, Senior Clinical Instructor in Cardiopulmonary Surgery (1953).  
B.A. (1940), M.D. (1943), Yale.
- †**William J. Swett, M.D.**, Assistant Clinical Professor of Medicine (1938).  
B.A. (1928), Reed; M.D. (1932), Oregon.
- †**Thomas E. Talbot, M.D.**, Associate Clinical Professor of Ophthalmology (1953).  
B.S. (1942), Oregon State; M.D. (1945), Oregon.
- †**K. Nolan Tanner, M.D., Ph.D.**, Senior Clinical Instructor in Ophthalmology (1964).  
B.A. (1943), Reed; Ph.D. (1950), Rochester; M.D. (1960), Oregon.
- Ralph D. Tanz, Ph.D.**, Associate Professor of Pharmacology (1969).  
B.A. (1948), Rochester; Ph.D. (1958), Colorado.
- †**John W. Tarnasky, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1968).  
B.S. (1958), Portland State; M.D. (1961), Oregon.
- †**Donald E. Tatum, M.D.**, Clinical Instructor in Medicine (1966).  
B.A. (1936), Ph.D. (1941), M.D. (1943), Wisconsin.
- ‡**Robert E. Taubman, M.D., Ph.D.**, Associate Clinical Professor of Psychiatry (1964).  
B.A. (1941), College of City of New York; M.A. (1942), Ph.D. (1948), Columbia; M.D. (1960), Nebraska.
- †**David K. Taylor, M.D.**, Associate Clinical Professor of Medicine (1946).  
B.A. (1929), College of Idaho; M.D. (1940), Oregon.
- Joe W. Templeton, Ph.D.**, Assistant Professor of Medical Genetics (1968).  
B.S. (1964), Abilene Christian; Ph.D. (1968), Oregon State.
- †**T. Glenn Ten Eyck, M.D.**, Assistant Professor of Otolaryngology (Veterans Hospital) (1946).  
B.A. (1930), M.D. (1933), Oregon.

† Volunteer.

‡ Part-time.

MEDICAL  
SCHOOL  
FACULTY

- Leif G. Terdal**, Ph.D., Assistant Professor of Medical Psychology; Assistant Professor, Crippled Children's Division (1965).  
B.A. (1959), Taylor; M.A. (1961), Ph.D. (1965), Michigan State.
- †**Louis G. Terkla**, D.M.D., Professor of Dentistry, Head of Division (1967).  
D.M.D. (1952), Oregon.
- †**Gerald A. Terman**, M.D., Senior Clinical Instructor in Ophthalmology (1963).  
B.A. (1951), Chicago; M.D. (1957), Northwestern.
- †**Frank D. Thomas**, M.D., Clinical Instructor in Medicine (1969).  
B.S. (1959), Utah; M.D. (1965), Missouri.
- †**John P. Thomas**, D.D.S., M.S., Assistant Professor of Dentistry (1969).  
D.D.S. (1962), M.S. (1967), Iowa.
- Marian S. Thomas**, B.S., Instructor in Clinical Pathology (Medical Technology) (1969).  
B.S. (1965), Southern Oregon; M.T. (A.S.C.P.) (1965).
- †**William O. Thomas, Jr.**, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1949).  
B.A. (1937), Dartmouth; M.D. (1941), Harvard.
- Betty B. Thompson**, M.D., Assistant Professor of Anesthesiology (1963).  
B.S. (1956), Lewis and Clark; M.D. (1959), Oregon.
- †**Charles C. Thompson**, D.M.D., Assistant Professor of Dentistry (1970).  
B.A. (1957), St. Martin's; D.M.D. (1962), Oregon; M.S.D. (1968), Emory.
- †**John W. Thompson**, M.D., Clinical Instructor in Orthopedics (1967).  
B.A. (1955), Reed; M.D. (1959), Oregon.
- †**Richard Thompson**, M.D., Clinical Professor of Clinical Pathology (1968).  
A.B. (1920), Oregon; M.D. (1924), Columbia.
- †**Robert E. Thornfeldt**, M.D., Associate Clinical Professor of Pediatrics (1963).  
B.S. (1942), Washington State; M.D. (1945), Northwestern.
- †**Thomas L. Thornton**, M.D., Clinical Instructor in Obstetrics and Gynecology (1968).  
B.S. (1958), M.D. (1961), Oregon.
- ‡**Robert Thune**, M.D., Clinical Instructor in Medicine (1969).  
M.D. (1958), Zagreb (Yugoslavia).
- †**Bruce L. Titus**, M.D., Assistant Clinical Professor of Otolaryngology (1943).  
B.A. (1930), M.D. (1934), Oregon.
- Wilbert R. Todd**, Ph.D., Professor of Biochemistry (1936).  
B.S. (1928), Ph.D. (1933), Wisconsin.
- †**Shinobu Tomita**, M.D., Visiting Assistant Professor of Clinical Pathology (1970).  
M.D. (1951), Kyoto.
- †**George L. Toombs**, B.S., Clinical Instructor in Public Health and Preventive Medicine (1970).  
B.S. (1952), Lewis and Clark.
- John S. Tovey**, M.S.W., Assistant Professor of Psychiatric Social Work (1964).  
B.S. (1955), Portland; M.S.W. (1959), St. Louis.
- Joseph B. Trainer**, M.D., Associate Professor of Physiology and Professor of Medicine (1949).  
B.S. (1939), M.S. (1941), University of Washington; M.D. (1946), Oregon.

† Volunteer.  
‡ Part-time.

## FACULTY

- †**Paul Trautman**, M.D., Clinical Instructor in Surgery (1965).  
B.S. (1941), Yale; M.D. (1944), Tulane.
- †**John P. Trommald**, M.D., Assistant Clinical Professor of Surgery (1939).  
B.S. (1929), Yale; M.D. (1933), Harvard.
- †**E. Dale Trout**, D.Sc., Clinical Professor of Radiology (Diagnosis) (1966).  
B.S. (1922), D.Sc. (Hon.) (1950), Franklin College.
- Emily Tufts**, M.D., Assistant Professor of Pediatrics (1965).  
B.A. (1946), North Carolina; M.D. (1950), M.S. (1953), Temple.
- †**John E. Tuhy**, M.D., Clinical Professor of Medicine (1948).  
B.A. (1935), M.D. (1938), Oregon.
- Archie R. Tunturi**, M.D., Ph.D., Associate Professor of Anatomy (1945).  
B.A. (1939), Reed; M.S. (1943), Ph.D., M.D. (1944), Oregon.
- †**Donald A. Turcke**, M.D., Clinical Instructor in Radiology (Diagnosis) (1970).  
B.A. (1958), Washington and Jefferson; M.D. (1962), Temple.
- †**Peter Tyerman**, M.D., Clinical Instructor in Obstetrics and Gynecology (1969).  
B.A. (1957), Oregon; M.D. (1961), George Washington.
- †**Hugo Uhland**, M.D., Clinical Instructor in Medicine (1966).  
B.A. (1958), Omaha; M.D. (1961), Nebraska.
- †**Alvin O. Uhle**, M.D., Assistant Clinical Professor of Surgery (1955).  
B.S. (1945), Portland; M.D. (1947), Northwestern.
- †**Franklin J. Underwood**, M.D., Clinical Professor of Medicine (1937).  
M.D. (1933), Harvard.
- †**Mary S. Urry**, M.B., Ch.B., Clinical Instructor in Pediatrics (1969).  
M.B., Ch.B. (1960), Manchester (England).
- †**Theodore P. Utt**, M.D., Clinical Instructor in Psychiatry (1969).  
B.A. (1947), Pacific Union; M.D. (1953), Loma Linda.
- John T. Van Bruggen**, Ph.D., Professor of Biochemistry (1947).  
B.A. (1937), Linfield; M.A. (1939), Oregon; Ph.D. (1944), St. Louis.
- †**John G. Vandenberg**, M.D., Assistant Clinical Professor of Urology (1953).  
B.S. (1945), Puget Sound; B.M. (1947), M.D. (1948), Northwestern.
- †**Clemens W. Van Rooy**, M.D., Associate Clinical Professor of Pediatrics (1958).  
M.D. (1948), St. Louis.
- †**Charles Varga**, M.D., Associate Clinical Professor of Pediatrics (1956).  
B.S. (1939), Rutgers; M.D. (1944), New York Medical College.
- Lyle Veazie**, Ph.D., Professor of Microbiology (Parasitology) (1942).  
B.A. (1928), M.A. (1930), Ph.D. (1947), Oregon.
- William R. Vermeere**, B.S., Instructor in Radiology (Therapy) (Radiation Biology) (1969).  
B.S. (1965), B.S. (1966), Oregon State.
- Jack A. Vernon**, Ph.D., Professor of Otolaryngology and Medical Psychology (1966).  
A.B. (1948), M.A. (1950), Ph.D. (1952), Virginia.
- †**Albert F. C. Vervloet**, M.D., Clinical Instructor in Medicine (1967).  
M.D. (1961), Leiden (The Netherlands).
- †**R. Mark Vetto**, M.D., Professor of Surgery (Veterans Hospital) (1959).  
M.D. (1949), Jefferson; D.Sc. (1959), Cincinnati.

† Volunteer.

‡ Part-time.



MEDICAL  
SCHOOL  
FACULTY

- †**William Vineyard**, M.D., Assistant Clinical Professor of Dermatology (1968).  
M.D. (1950), Washington University.
- †**Daniel Voiss**, M.D., Clinical Instructor in Psychiatry (1965).  
B.S. (1955), M.S., M.D. (1957), Oregon.
- Marie K. Wagner**, B.S., Circulation Librarian; Assistant Professor (1954).  
B.S. (1940), State Teachers College at West Chester.
- †**Sheldon A. Walker**, M.D., Clinical Professor of Dermatology (1955).  
M.D. (1942), Iowa.
- †**George F. Walliker, Jr.**, M.D., Clinical Professor of Pediatrics (1949).  
A.B. (1938), Nebraska; B.S. (1940), Portland; M.D. (1944), Tennessee.
- ‡**John R. Walsh**, M.D., Professor of Medicine (Veterans Hospital) (1960).  
B.S. (1943), M.D. (1945), M.Sc.Med. (1951), Creighton.
- Charles L. Waltemath**, M.D., Assistant Professor of Anesthesiology (1968).  
B.A. (1956), M.D. (1960), Missouri.
- †**Hans G. Wandel**, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1964).  
B.A. (1948), Fallschule (Berlin); M.D. (1956), Freie Universitaet (Berlin).
- †**Gerald L. Warnock**, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1964).  
B.A. (1954), Reed; M.D. (1958), Oregon.
- †**John H. Waterman**, M.D., Associate Clinical Professor of Psychiatry (1967).  
A.B. (1944), Park; B.Sc. (1929), M.D. (1933), Nebraska.
- †**Charles W. Watkins**, M.D., Associate Clinical Professor of Dermatology (1958).  
B.A. (1948), Montana State University; M.D. (1951), St. Louis; M.S. (1958), Minnesota.
- ‡**James MacD. Watson**, M.D., Associate Clinical Professor of Neurology (1966).  
B.S. (1946), Idaho; M.D. (1949), Chicago.
- †**Edward E. Wayson**, M.D., Associate Clinical Professor of Surgery (1952).  
A.B. (1939), Dartmouth; M.D. (1943), Michigan.
- †**Jerome C. Weeber**, M.D., Clinical Instructor in Urology (1966).  
B.A. (1955), M.D. (1958), Iowa.
- †**Linton G. Weed**, M.D., Clinical Instructor in Surgery (1965).  
B.S. (1951), M.D. (1954), Wisconsin.
- Virginia L. Weimar**, Ph.D., Associate Professor of Ophthalmology and Pathology (1962).  
B.S. (1944), M.S. (1947), Oregon State; Ph.D. (1951), Pennsylvania.
- †**Darrell T. Weinman**, M.D., Clinical Instructor, Crippled Children's Division (1969).  
B.A. (1957), B.S., M.D. (1960), Minnesota; M.S. (1965), Mayo.
- †**Marvin J. Weinstein**, M.D., Clinical Instructor in Medicine (1970).  
B.A. (1951), Reed; M.D. (1955), Oregon.
- Curtis E. Weiss**, Ph.D., Assistant Professor of Speech Pathology, Crippled Children's Division (1968).  
B.S. (1958), Dickinson; M.Ed. (1962), Oregon; Ph.D. (1968), Missouri.
- †**Warren S. Welborn**, M.D., J.D., Associate Clinical Professor of Public Health and Preventive Medicine (1970).  
B.A. (1949), M.D. (1953), Oregon; J.D. (1968), Northwestern School of Law.

† Volunteer.

‡ Part-time.

- Herbert A. Wendel, M.D.**, Associate Professor of Pharmacology (1969).  
Physikum (1935), Heidelberg; Med. Nat'l. Exam. (1939), Berlin.
- †**Alvin D. Wert, M.D.**, Clinical Professor of Pediatrics (1946).  
A.B. (1937), Colgate; M.D. (1941), Minnesota.
- †**William W. Wescott, D.M.D.**, Professor of Pathology (Dental School) (1966).  
D.M.D. (1951), M.S. (1962), Oregon.
- †**Glenn Weyhrich, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1970).  
M.D. (1965), Chicago.
- †**James P. Whittemore, M.D.**, Assistant Clinical Professor of Pediatrics (1948).  
A.B. (1942), Holy Cross; M.D. (1945), Harvard.
- Arthur N. Wiens, Ph.D.**, Professor of Medical Psychology (1958).  
B.A. (1948), M.A. (1952), Kansas; Ph.D. (1956), Portland.
- †**John B. Wild, M.D.**, Assistant Clinical Professor of Medicine (1963).  
M.B., B.S. (1946), St. Mary's Hospital, London; M.D. (1949), London.
- †**Cameron J. Wiley, M.D.**, Clinical Instructor in Radiology (Diagnosis) (1965).  
B.S. (1955), M.D. (1957), Oregon.
- James A. Wilkinson, B.S.**, Instructor in Clinical Pathology (Medical Technology) (1966).  
B.S. (1963), Oregon.
- Christopher P. S. Williams, M.D.**, Associate Professor, Crippled Children's Division; Associate Professor of Pediatrics (1968).  
B.A. (1953), M.D. (1958), Oregon.
- †**Earl R. Williams, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1970).  
M.D. (1963), Wayne State University.
- †**Martha Williams, M.D.**, Clinical Instructor in Pediatrics (1970).  
A.B. (1959), Smith; M.D. (1963), Columbia.
- †**Oscar K. Williams, M.D.**, Clinical Instructor in Radiology (Diagnosis) (1968).  
B.S. (1939), Oregon; M.D. (1946), St. Louis.
- †**Charles P. Wilson, M.D.**, Assistant Clinical Professor of Medicine (1929).  
A.B. (1920), Reed; M.D. (1924), Johns Hopkins.
- †**Frank M. Wilson, D.M.D.**, Associate Professor of Dentistry (1969).  
B.S. (1950), Oregon State; D.M.D. (1955), Oregon.
- †**Nathaniel D. Wilson, M.D.**, Assistant Clinical Professor of Surgery (1953).  
B.S. (1936), Wheaton; B.M. (1940), M.D. (1941), Northwestern.
- †**Robert D. Wilson, M.D.**, Clinical Instructor in Medicine (1963).  
B.A. (1953), Willamette; M.D. (1956), Oregon.
- †**William M. Wilson, M.D.**, Associate Clinical Professor of Obstetrics and Gynecology (1928).  
B.S. (1920), Whitman; M.D. (1924), Johns Hopkins.
- †**Robert A. Wise, M.D.**, Clinical Professor of Surgery (1947).  
B.A. (1922), M.D. (1925), Columbia.
- David L. Wishart, M.D.**, Instructor in Radiology (Diagnosis) (1970).  
B.A. (1958), Harvard; M.D. (1961), Oregon.
- †**David M. Witter, D.D.S.**, Clinical Instructor in Public Health and Preventive Medicine (1967).  
D.D.S. (1934), Nebraska; M.P.H. (1951), Michigan.

MEDICAL  
SCHOOL  
FACULTY

- †**John Lee Wobig, M.D.**, Clinical Instructor in Ophthalmology (1970).  
B.S. (1961), Lewis and Clark; M.D. (1964), Oregon.
- †**Gordon F. Wolfe, M.D.**, Clinical Instructor in Medicine (1959).  
B.S. (1942), M.D. (1954), Illinois.
- Don C. Wood, Ph.D.**, Assistant Professor for Research (Surgery) (1970).  
B.S. (1947), M.S. (1948), Brigham Young; Ph.D. (1952), Cornell.
- ‡**James A. Wood, M.D.**, Assistant Clinical Professor of Cardiopulmonary Surgery (1963).  
B.A. (1953), Reed; M.D. (1957), Oregon.
- Herbert M. Woodcock, M.D.**, Assistant Professor of Child Psychiatry and Pediatrics (1969).  
B.S. (1943), Idaho; M.D. (1945), Oregon.
- †**James V. Woodworth, M.D.**, Clinical Instructor in Medicine; Associate Professor of Dentistry (1952).  
A.B. (1944), Whitman; M.D. (1946), Oregon.
- †**LeGrande H. Woolley, D.D.S.**, Assistant Professor of Dentistry (1966).  
D.D.S. (1958), Missouri; M.S. (1966), Oregon.
- †**Ralph D. Worthylake, M.D.**, Clinical Instructor in Psychiatry (1967).  
M.D. (1949), Oregon.
- †**Richard C. Wright, M.D.**, Clinical Instructor in Dermatology (1969).  
B.S. (1958), M.D. (1963), Oregon.
- †**Wellesley H. Wright, D.D.S., M.S.D.**, Associate Professor of Dentistry (1969).  
B.A. (1962), D.D.S. (1959), University of Washington; M.S.D. (1963), Baylor.
- †**Donald M. Wysham, M.D.**, Senior Clinical Instructor in Medicine (1969).  
B.A. (1949), Princeton; M.D. (1953), Harvard.
- \*†**Maximo C. Yao, M.D.**, Clinical Instructor in Pediatric Neurology (1968).  
B.S. (1960), M.D. (1960), Philippines.
- Norton B. Young, Ph.D.**, Associate Professor of Speech Pathology and Audiology, Crippled Children's Division; Associate Professor of Pediatrics (Audiology) (1960).  
B.S. (1950), M.A. (1953), University of Washington; Ph.D. (1957), Purdue.
- †**Eldon W. Younger, M.D.**, Clinical Instructor in Pediatrics (1967).  
B.S. (1960), Oregon State; M.D. (1962), Oregon.
- ‡**Robert W. Zeller, M.D.**, Associate Clinical Professor of Ophthalmology (1951).  
M.D. (1944), Loyola.
- †**Werner E. Zeller, M.D.**, Associate Clinical Professor of Surgery (1946).  
B.S. (1933), M.S. (1936), M.D. (1937), Oregon.
- Charles J. Zerzan, Jr., M.D.**, Assistant Professor of Medicine (1968).  
B.A. (1948), Willamette; M.D. (1951), Marquette.
- †**Richard C. Zimmerman, M.D.**, Clinical Instructor in Orthopedics (1964).  
B.S. (1955), M.D. (1957), Oregon.
- William A. Zimmerman, B.S.**, Associate Dean for Business Affairs; Professor (1945).  
B.S. (1939), Oregon.
- Lawrence S. Zivin, M.D.**, Assistant Professor of Neurology (1969).  
A.B. (1956), A.M. (1958), M.D. (1962), Harvard.

† Volunteer.

‡ Part-time.

\* Leave of absence.

*University of Oregon Medical School  
Hospitals and Clinics*

Charles N. Holman, M.D., Dean.  
 Michael D. Baird, M.D., Medical Director and Administrator.  
 Jarvis Gould, M.D., Associate Medical Director and Associate Administrator.  
 Gary J. Rood, M.A., Administrator, Medical School Hospital.  
 Max F. Kersbergen, M.A., Administrator, Outpatient Clinic.  
 Gwynn C. Brice, Administrative Director, Central Services, Hospitals and Clinics.  
 Clifford V. Allen, M.D., Chief of Radiation Therapy Service.  
 John A. Benson, Jr., M.D., Chief of Gastroenterology Service.  
 Ralph C. Benson, M.D., Chief of Obstetrical and Gynecological Service.  
 Norman Bergman, M.D., Chief of Anesthesiology Service.  
 J. David Bristow, M.D., Chief of Medical Service, Medical School Hospital.  
 John R. Campbell, M.D., Chief of Pediatric Surgery Service.  
 William S. Conklin, M.D., Chief of Thoracic Surgical Service.  
 David D. DeWeese, M.D., Chief of Otolaryngological Service.  
 Charles T. Dotter, M.D., Chief of Radiologic Diagnosis Service.  
 Miles J. Edwards, M.D., Chief of Chest Diseases Service.  
 Monte A. Greer, M.D., Chief of Endocrinology Service.  
 Herbert E. Griswold, M.D., Chief of Cardiology Service.  
 Clarence V. Hodges, M.D., Chief of Urological Service.  
 Curtis Holzgang, M.D., Director of Medical Outpatient Service.  
 Tyra T. Hutchens, M.D., Chief of Clinical Pathological Service.  
 Donald Kassebaum, M.D., Chief of Medical Service, Multnomah Hospital.  
 Robert D. Koler, M.D., Chief of Hematology Service.  
 William W. Krippaehne, M.D., Chief of Surgical Service.  
 Daniel H. Labby, M.D., Chief of Metabolic Diseases Service.  
 Walter C. Lobitz, Jr., M.D., Chief of Dermatological Service.  
 Victor C. Marquardt, M.D., Assistant Director of Clinical Laboratory Service.  
 Joseph D. Matarazzo, Ph.D., Chief of Medical Psychological Service.  
 Ralph G. Merrill, M.Sc.D., Chief of Dental Service.  
 Richard D. Moore, M.D., Chief of Pathological Service.  
 Richard W. Olmsted, M.D., Chief of Pediatric Service.  
 Bernard Pirofsky, M.D., Chief of Immunology and Allergy Service.  
 Edward E. Rosenbaum, M.D., Acting Chief of Rheumatology Service.  
 R. Bradley Sack, M.D., Chief of Infectious Diseases Service.  
 George Saslow, M.D., Chief of Psychiatric Service.  
 Kenneth D. Smyth, M.D., Chief of Physical Medicine Service.  
 William E. Snell, M.D., Chief of Orthopedics Service.  
 Albert Starr, M.D., Chief of Cardiopulmonary Surgical Service.  
 Kenneth C. Swan, M.D., Chief of Ophthalmological Service.  
 Roy L. Swank, M.D., Chief of Neurological Service.  
 Leslie W. Hunter, M.S.W., Director of Medical Social Service.  
 Hilda E. Drum, R.T., Chief Radiologic Technologist.  
 Patsy Marble, Medical Correspondence Supervisor.  
 Karen Creason, R.R.T., Chief Record Librarian.  
 E. H. Empereur, B.S., Chief Pharmacist.

**University of Oregon Medical School Hospital  
Doernbecher Memorial Hospital for Children**

Gary J. Rood, M.A., Administrator.  
 John J. Hutchins, M.H.A., Assistant to the Administrator.  
 B. Lee Killam, M.S., R.N., Director of Nursing Service.  
 Marian Allen, R.N., Assistant Night Supervisor.

## MEDICAL SCHOOL FACULTY

**Esther Appleman**, R.N., Nursing Instructor, Staff Development.  
**Evelyn Barton**, R.N., Night Supervisor.  
**Norma Kraftherfer**, R.N., Assistant Night Supervisor.  
**Joanna Mally**, B.S., R.N., Nursing Instructor, Staff Development.  
**Marian Page**, R.N., Evening Supervisor.  
**Sarah Peterson**, R.N., Psychiatric Supervisor.  
**Viola Robinson**, B.S., R.N., Nursing Instructor, Staff Development.  
**Sylvia Sather**, B.S., R.N., Assistant Director of Nursing Service.  
**Rose Schmidt**, B.S., R.N., Patient Care Coordinator.  
**Janet Teaff**, R.N., Assistant Supervisor.  
**Barbara Joan Weaver**, R.N., Assistant Evening Supervisor.  
**Betty Weible**, B.S., R.N., Nursing Personnel Coordinator.  
**Emily Malaimare**, Recreational Therapist.  
**Janice Berg**, B.S., R.N., Adult Public Health Nurse Coordinator.  
**Mary Erlandson**, B.S., R.N., Pediatric Public Health Nurse Coordinator.  
**Regina Mockmore**, B.S., R.N., Admitting Supervisor.  
**Jean Rosendahl**, R.N., Inhalation Therapy Supervisor.  
**Glen F. Criteser**, Laundry Manager.  
**Maxine Freeman**, Executive Housekeeper.  
**Peter Healy**, Food Service Manager.  
**Madeline Myers**, Accounting Office Supervisor.  
**Dean Mayfield**, Storekeeper.

### General Outpatient Service

**Max F. Kersbergen**, M.A., Administrator.  
**Marjorie R. Merrick**, B.S., Chief Admitting Officer.  
**Patricia Hunsaker**, B.S., R.N., P.H.N., Director of Nursing Service.  
**Nancy W. Beshear**, B.S., Dietitian.

### Multnomah Hospital

**Jarvis Gould**, M.D., Administrator and Associate Medical Director.  
**Michael D. Baird**, M.D., Assistant Administrator and Medical Director.  
**Gale Rankin**, B.S., R.N., Director of Nursing Service.  
**Ardys Hokeness**, B.S., R.N., Assistant Director, Nursing Service.  
**June Lerma**, M.S., R.N., Assistant Director, Nursing Service.  
**Barbara Browne**, M.N., R.N., Supervisor.  
**Joyce Jorgensen**, R.N., Supervisor.  
**Dorothy Vossen**, B.S., R.N., Supervisor.  
**Thelma Waddill**, R.N., Surgical Supervisor.  
**John R. Halley**, Plant Maintenance Superintendent.  
**Frances E. Morse**, Office Manager.  
**Ramona McAfee Bennett**, B.S., R.N., Housekeeper.  
**Ruth Mercer**, M.A., Dietitian, Head Clinical Instructor in Dietetics.  
**Eugene Buelt**, Respiratory Equipment Technician.  
**Hugh Tonsfeldt**, Ph.G., Pharmacist.

### University State Tuberculosis Hospital

**Barbara Hiatt**, M.S., R.N., Administrator.  
**William S. Conklin**, M.D., Chief of Staff.  
**James T. Speros**, M.D., Medical Consultant.  
**Robert D. Michel**, M.D., Chief Physician.  
**Clifford A. Fratzke**, M.D., Physician.  
**Helen Krieg**, B.S., R.N., Director of Nursing Service.  
**Nina Ellenburg**, R.N., Assistant Director of Nursing Service.

**Nellie Nollman**, R.N., Evening Supervisor.  
**Eunice Bynon**, R.N., Night Supervisor.  
**Leona Vanderhoof**, R.N., Supervisor.  
**Margaret Hamley**, B.S., R.N., Inservice Education Director.  
**Ruth Harris**, B.S., Dietitian.  
**Wilbur Brockway**, Housekeeper.

### Crippled Children's Division

**Richard L. Sleeter**, M.D., Assistant Dean; Director and Professor; Professor of Pediatrics.  
**Victor D. Menashe**, M.D., Associate Director, Professor; Professor of Pediatrics.  
**L. Paul Rasmussen**, M.D., Professor; Professor of Pediatrics.  
**Robert Boyd**, Ph.D., Professor; Professor of Medical Psychology.  
**Ann M. Garner**, Ph.D., Professor; Professor of Medical Psychology.  
**Herold S. Lillywhite**, Ph.D., Professor of Speech Pathology.  
**Robert H. Mattson**, D.Ed., Professor; Chairman, Department of Special Education, University of Oregon.  
**William E. Snell**, M.D., Professor and Head of Division of Orthopedics.  
**Rodney K. Beals**, M.D., Associate Professor of Orthopedics.  
**Robert W. Blakeley**, Ph.D., Associate Professor of Speech Pathology.  
**Leroy O. Carlson**, M.D., Associate Professor; Associate Professor of Pediatrics.  
**C. Conrad Carter**, M.D., Associate Professor of Neurology.  
**Ralph O. Coleman, Jr.**, Ph.D., Associate Professor of Speech Pathology.  
**John S. Gullikson**, D.D.S., Associate Professor; Associate Professor of Dentistry.  
**Constance Hanf**, Ph.D., Associate Professor; Associate Professor of Medical Psychology.  
**Frederick Hecht**, M.D., Associate Professor; Associate Professor of Medicine.  
**James E. Lindemann**, Ph.D., Associate Professor; Associate Professor of Medical Psychology.  
**Elaine W. Lis**, Ph.D., Associate Professor, Nutrition.  
**Everett W. Lovrien**, M.D., Associate Professor; Associate Professor of Pediatrics.  
**David W. Macfarlane**, M.D., Associate Professor; Assistant Professor of Pediatrics.  
**Gretchen N. Skalbeck**, Ph.D., Associate Professor of Speech Pathology and Audiology.  
**Gerald Smith**, Ed.D., Associate Professor.  
**Kenneth Smyth**, M.D., Associate Professor of Orthopedics in Physical Medicine and Rehabilitation, Head of Division; Assistant Professor of Otolaryngology.  
**Christopher P. S. Williams**, M.D., Associate Professor; Associate Professor of Pediatrics.  
**Norton B. Young**, Ph.D., Associate Professor of Speech Pathology and Audiology; Associate Professor of Pediatrics.  
**Wilma L. Carson**, M.D., Assistant Professor; Assistant Professor of Pediatrics.  
**Jerry O. Elder**, M.A., Assistant Professor, Business Manager.  
**Peggy Cople Ferry**, M.D., Assistant Professor; Assistant Professor of Pediatrics and Neurology.  
**Jack R. Hegrenes**, M.S., M.A., Assistant Professor.  
**Russell H. Jackson**, Ph.D., Assistant Professor; Assistant Professor of Medical Psychology.  
**Doris Julian**, M.N., Assistant Professor; Assistant Professor of Nursing Education.  
**Harold M. Louis**, D.D.S., Assistant Professor.  
**Nancy R. Marshall**, Ph.D., Assistant Professor of Speech Pathology.  
**Clarence L. Morgan**, M.D., Assistant Professor of Pediatrics.  
**C. Donald Nelson**, Ph.D., Assistant Professor of Speech Pathology.  
**Edward Sterling**, D.D.S., Assistant Professor.  
**Leif G. Terdal**, Ph.D., Assistant Professor; Assistant Professor of Medical Psychology.  
**Curtis E. Weiss**, Ph.D., Assistant Professor of Speech Pathology.  
**Laurence R. Langston**, M.D., Senior Clinical Instructor in Orthopedics.

MEDICAL  
SCHOOL  
FACULTY

**Lillian T. Cunningham**, M.P.H., Instructor, Nutrition.  
**Ruth W. Spoerli**, M.S.S., A.C.S.W., Medical Social Consultant.  
**Ruby Fields**, M.S., R.P.T., Instructor.  
**James E. Merritt**, M.S.W., Instructor.  
**Dorothy M. Prinzing**, M.S., R.N., R.P.T., Nursing Consultant.

**Cerebral Palsy Project  
(Collaborating Faculty Members)**

**S. Gorham Babson**, M.D., Professor of Pediatrics.  
**Ralph C. Benson**, M.D., Professor of Obstetrics and Gynecology, Head of Department.  
**William M. Clark, Jr.**, M.D., Professor of Pediatrics.  
**Rudolf C. H. Engel**, M.D., Professor of Pediatrics.  
**John B. Isom**, M.D., Professor of Pediatrics and Neurology.  
**Richard W. Olmsted**, M.D., Professor of Pediatrics, Head of Department.  
**Richard L. Sleeter**, M.D., Professor of Pediatrics, Director of Crippled Children's Division.  
**Bruce V. Butler**, Ph.D., Associate Professor of Medical Psychology.  
**Norman B. Henderson**, Ph.D., Associate Professor of Medical Psychology.  
**Warren H. Fay**, Ph.D., Associate Professor of Speech Pathology, Pediatrics.  
**Peggy Copple Ferry**, M.D., Assistant Professor of Pediatrics and Neurology.  
**Kathrine S. French**, Ph.D., Assistant Professor of Anthropology, Pediatrics.  
**Emily Tufts**, M.D., Assistant Professor of Pediatrics.  
**Richard L. Lessel**, M.P.H., Senior Instructor in Public Health and Preventive Medicine.  
**Merry Meek**, Research Assistant.

# 7

## ENROLLMENT AND DEGREES





ENROLLMENT  
AND DEGREES

*Degrees Conferred June 12, 1970*

**Doctor of Medicine**

GRADUATE	INTERNSHIP
Janice M. Anderson.....	Emanuel Hospital, Portland, Oregon
Donald T. Arai.....	Hennepin County General Hospital, Minneapolis, Minnesota
Robert L. Backstrom.....	Naval Hospital, Portsmouth, New Hampshire
Richard P. Belts.....	William Beaumont General Hospital, El Paso, Texas
Steven K. Bidleman.....	Good Samaritan Hospital, Portland, Oregon
Maureen K. Bradley.....	Good Samaritan Hospital, Portland, Oregon
Jeffrey L. Brandon.....	San Bernardino County General Hospital, San Bernardino, California
Phyllis J. Brown.....	Los Angeles County-USC Medical Center, Los Angeles, California
Richard S. Buswell.....	Colorado Medical Center, Denver, Colorado
Douglas T. Campbell.....	Highland General Hospital, Oakland, California
Richard L. Carpenter.....	St. Paul-Ramsey Hospital, St. Paul, Minnesota
Sharon A. Colton.....	University of Oregon Medical School, Portland, Oregon
Maxwell A. Cooper.....	Tripler General Hospital, Honolulu, Hawaii
Jon C. Counts.....	William Beaumont General Hospital, El Paso, Texas
Robert B. Cox, Jr.....	William Beaumont General Hospital, El Paso, Texas
Darrell L. Davey.....	General Hospital Ventura County, Ventura, California
Joseph H. Diehl, Jr.....	Weld County General Hospital, Greeley, Colorado
Michael F. Egans.....	Hennepin County General Hospital, Minneapolis, Minnesota
Randy L. Ellerbrook.....	Sacramento Medical Center, Sacramento, California
Nora L. Fairley.....	University of Texas Medical Branch, Galveston, Texas
Richard P. Fogdall.....	Good Samaritan Hospital, Portland, Oregon
Laurence R. Foster.....	St. Paul-Ramsey Hospital, St. Paul, Minnesota
Michael B. Gavin.....	Naval Hospital, Oakland, California
Daniel J. Gebhardt.....	Fresno General Hospital, Fresno, California
Glenn A. Gerritz, Jr.....	University of Iowa Hospitals, Iowa City, Iowa
J. Robert Grierson.....	Hennepin County General Hospital, Minneapolis, Minnesota
James S. Griffith, Jr.....	Tripler General Hospital, Honolulu, Hawaii
Richard A. Haddock.....	University of Oregon Medical School, Portland, Oregon
B. Patrick Harpole, Jr.....	St. Vincent's Hospital and Medical Center, New York City, New York
John O. Hayhurst.....	University of Oregon Medical School, Portland, Oregon
William B. Heyerman.....	St. Paul-Ramsey Hospital, St. Paul, Minnesota
Alan C. Hilles.....	Emanuel Hospital, Portland, Oregon
William D. Hosack.....	University of Oregon Medical School, Portland, Oregon
Clyde E. Hunt.....	Madigan General Hospital, Tacoma, Washington
Ansel Q. Hyland.....	Brooke General Hospital, San Antonio, Texas
George E. Imhoff.....	Emanuel Hospital, Portland, Oregon
Peter E. Jensen.....	Los Angeles County, Harbor General Hospital, Torrance, California
Korey S. Jorgensen.....	Ohio State University Hospital, Columbus, Ohio
Raymond E. Kauffman.....	Emanuel Hospital, Portland, Oregon
James L. Kelley.....	Tripler General Hospital, Honolulu, Hawaii
Louis F. Kretschmer.....	Public Health Service, New Orleans, Louisiana
W. Jackson Lovern.....	Madigan General Hospital, Tacoma, Washington
James Lynch.....	Munson Medical Center, Traverse City, Michigan

Linda L. Mackprang	Los Angeles County-USC Medical Center, Los Angeles, California
Paul A. McConnel	Public Health Service, New Orleans, Louisiana
Allen E. McDaniels, Jr.	
Robert L. Miller	Good Samaritan Hospital, Portland, Oregon
Scott G. Miller	Kaiser Foundation, San Francisco, California
Michael R. Moon	Travis Air Force Base, Fairfield, California
Craig W. Morrison	Los Angeles County-USC Medical Center, Los Angeles, California
Norwyn R. Newby	Tripler General Hospital, Honolulu, Hawaii
Ralph V. Nishitani	Santa Clara Valley Medical Center, San Jose, California
James F. Novak	Hennepin County General Hospital, Minneapolis, Minnesota
Charles M. Owen	Naval Hospital, Oakland, California
Peter F. Petersen	Fresno General Hospital, Fresno, California
William L. Playfair	Hennepin County General Hospital, Minneapolis, Minnesota
Stephen E. Pliska	St. Paul-Ramsey Hospital, St. Paul, Minnesota
Gerald A. Rappe	Madigan General Hospital, Tacoma, Washington
Larry F. Rich	Highland General Hospital, Oakland, California
George G. Richardson, Jr.	Philadelphia General Hospital, Philadelphia, Pennsylvania
Kenneth D. Rost	Santa Clara Valley Medical Center, San Jose, California
Ned R. Schroeder	Los Angeles County, Harbor General Hospital, Torrance, California
Ted R. Schroeder	Bernalillo County Medical Center, Albuquerque, New Mexico
David G. Schwartz	San Bernardino County General Hospital, San Bernardino, California
*Thomas A. Staats	
William O. Stahl	Emanuel Hospital, Portland, Oregon
Philip R. Stonebrook	Walter Reed General Hospital, Washington, D.C.
Robert J. Stuart, Jr.	San Bernardino County General Hospital, San Bernardino, California
James R. Swartley	Santa Clara Valley Medical Center, San Jose, California
Earl J. Van Volkinburg	Travis Air Force Base, Fairfield, California
Bruce E. Van Zee	Strong Memorial Hospital, Rochester, New York
Charles N. Versteeg, Jr.	St. Paul-Ramsey Hospital, St. Paul, Minnesota
Harold G. Vick	San Bernardino County General Hospital, San Bernardino, California
Colin L. Walker	Los Angeles County, Harbor General Hospital, Torrance, California
Frank H. Webster	Tripler General Hospital, Honolulu, Hawaii
A. Scott Wheeler	Los Angeles County, USC Medical Center, Los Angeles, California
Norman J. Wilder	Sacramento Medical Center, Sacramento, California
Donald J. Wodtli	William Beaumont General Hospital, El Paso, Texas
Robert L. Wollmuth	Strong Memorial Hospital, Rochester, New York
Wayne E. Wright	William Beaumont General Hospital, El Paso, Texas

### Doctor of Philosophy

Richard G. W. Anderson	Bruce F. Mackler
Steven Joe Cox	Alvin R. S. Manalaysay
Jack Lynn Keyes	Donald Alan McAfee
Don William Lindsay	Patricia Rae Starr

## ENROLLMENT AND DEGREES

### Master of Science

Alan Ernest Bessette

Anthony Francis Kirkpatrick

## *Enrollment 1969-1970*

### Medical Students

#### First Year Class

Paul A. Allen  
Kenneth R. Ampel  
Douglas B. Anderson  
Robert R. Anderson  
George T. Barker  
Daniel R. Bean  
Stacy C. Berube  
Susan G. Birkemeier  
Gerald F. Bishop  
William G. Bissell  
Donald L. Blanchard  
David E. Blumfield  
Michel A. Boileau  
Calvin D. Brenneman  
Doyle H. Brown  
Wayne N. Burton  
Gerald E. Button  
Perry E. Camp  
Robert E. Cedergreen  
David H. Cutsforth  
Frederick M. David  
Michael J. Donley  
Jon L. Dresser  
Robert E. Fleer  
Timothy N. Furrow  
Philip R. Gilbertson  
Timothy C. Gleeson  
Patrick E. Gordinier  
Thomas G. Gospodnetich  
Ronald D. Grewenow  
David R. Grube

Howard F. Harrison  
H. Thomas Harvey, Jr.  
Richard S. Hawkins  
Bernard W. Hill  
Thomas H. Hodge  
Dennis K. Holverstott  
John W. Jendrzewski  
Peter S. Kapernick  
Robin Q. Kenny  
Victor J. Kiesling, Jr.  
John A. Kitzhaber  
Alan W. Larson  
John B. Lyman  
Dennis A. Mackey  
Michael J. Markham  
H. Stuart Markwell  
Joel M. Matta  
Jean E. McCusker  
Nicholas K. Mecklem  
John P. Merrick  
Frank H. Moore  
Laurie J. Moore  
Glenn W. Morgan  
Ray M. Nicola  
Raymond C. Norgaard, Jr.  
Paul G. Norris  
Ronald I. Oldroyd  
Michael S. Olsen  
Barry D. Olson  
Eric G. Olson

Dennis M. Pavlinac  
Donald R. Peters  
Ernest C. Peterson  
Benjamin Podemski  
David W. Porter  
Joseph H. Rapp  
Edward W. Robert  
Thomas J. Rosenbaum  
Marilyn L. Rudin  
M. Craig Sandberg  
Ronald J. Sharp  
Guy D. Silva  
Stephen M. Skolnick  
Stephen J. Snyder  
Danny C. Sparks  
Key H. Stage  
Kenneth M. Sunamoto  
Daniel W. Thompson  
Paul B. Thompson  
Larry J. Thornburgh  
Blaine E. Tolby  
Barry M. Trowbridge  
James R. Tysell  
Fred L. Underwood  
Grant C. Van Houten  
Donald D. Lasselle  
John V. Ligon  
Arthur H. Livermore  
Mary E. Weare  
James L. Wilson

#### Second Year Class

Mark B. Adams  
Nancy D. Adams  
James S. Allen  
Richard L. Alley  
Steven G. Atcheson  
Rodney D. Bell  
Marvin L. Benson  
Bruce H. Blank  
R. Steven Brisbois

John H. Brookhart  
Ralph L. Burke, Jr.  
George T. Cameron  
Glen J. Church  
Edward F. Clarke  
John M. Cornwell  
Leslie T. Dillow  
Gerald D. Ebner  
Terry H. Edwards

Keith H. Griffin  
John E. Hamm  
Keith W. Harless  
Kenneth C. Haycraft, Jr.  
Michael D. Herring  
Ronald L. Hofeldt  
John T. Hoggard III  
Karen M. Krebs Ireland  
Ann Jensen

## ENROLLMENT

David C. Jonasson  
 Robert W. Jordan  
 Richard S. Joslin  
 Eleanor Jullum  
 Michael J. Kaempff  
 John P. Kearney  
 Kip L. Kemple  
 C. Francis Kenyon  
 John L. Kimbrough  
 Richard P. Knudson  
 Bryan H. Laycoe  
 James A. Lea  
 Douglas W. Lieuallen  
 Robert W. Lipke  
 Daniel K. Lowe  
 Judd K. Lunn  
 Maureen A. Connolly  
 Mack  
 William G. Marsh  
 Michael T. McCleskey  
 Frank W. McCullar  
 Ronald K. McGee

Thomas D. McKim  
 Gregory T. Mecklem  
 Michael E. Merrick  
 Michael J. Metcalf  
 Philip D. Miller  
 Richard F. Mollica  
 Robert G. Moore  
 D. Curtis Mumford, Jr.  
 Michael A. Mundell  
 Martin W. Muth  
 Robert L. Myers  
 Stanley K. Neal  
 E. Mark Nichols  
 Robert A. Nimmo  
 Dana L. Nofziger  
 Ralph C. Oler  
 Mark W. Olson  
 Jeremy K. Ota  
 James H. Petersen  
 Wendell E. Petty  
 Richard B. Phipps  
 Donald A. W. Piper, Jr.

Jock T. Pribnow  
 Thomas L. Ray  
 Harry H. Rinehart  
 James R. Robbins  
 Regina B. Ross  
 Don J. Schmitt  
 David H. Schoening  
 Kit D. Smith  
 Ronald W. Sproat  
 Dennis L. Stone  
 Donald D. Storey  
 Richard T. Takao  
 Cheryl L. Taubman  
 Larry D. Tice  
 William C. Vogelpohl  
 Frederick T. Waller  
 Needham E. Ward III  
 William W. Weare  
 Paul L. Wilson  
 R. Wayne Wood  
 Alexander L. Worobey

### Third Year Class

David M. Akwai  
 Carl E. Albertson  
 Daniel F. Amato  
 David D. Anderson  
 Gill E. Anderson  
 David A. Andrews  
 John G. Aronen  
 M. Steven Barber  
 Robert D. Basta  
 Roy E. Benward  
 Robert P. Bevan  
 Jonathan E. Bishop  
 Kenton C. Bodily  
 Randall W. Boyer  
 Stephen L. Brenneke  
 Thomas L. Bristol  
 Edwin C. Cadman  
 Michael S. Carlson  
 A. Bruce Cattle, Jr.  
 William F. Chapman  
 Jerry A. Chase  
 Lawrence V. Cheldelin  
 William B. Clark  
 Ann T. Corcoran  
 Gregory E. Craner  
 Larry D. Crook  
 John M. Custis  
 George G. Degner  
 Ronald V. DeMars  
 Carrie C. Dully  
 Thomas S. Duncan

John T. Ebert  
 Kermit C. Edwards  
 Stephen A. Eraker  
 Lyle J. Fagnan  
 Gerald W. Fischer  
 H. Storm Floten  
 Sheryl P. Gardner  
 John E. Gordon  
 Larry B. Gridley  
 Kay A. Haglund  
 James D. Harper  
 Larry D. Helvey  
 Howard S. Henjyoji  
 Donald C. Houghton  
 A. Kay Huffaker  
 Gary L. Ingram  
 Wallace K. Kurihara  
 Richard M. Laubaugh  
 Stephen E. Lazarus  
 Frank K. Lord  
 Bruce P. Machaffie  
 Dennis O. Mayer  
 John Meyer  
 Thomas S. Miller  
 Rodney L. Mirich  
 Dan Morris  
 Thomas F. Neal  
 Harry C. Newman  
 G. Michael Nichols  
 David L. Noall  
 Michael C. Norman

Lane O. Oslund  
 Paul Pennington  
 Peter A. Peruzzo  
 Robert R. Poole  
 James E. Price  
 William T. Razor  
 Douglas F. Renholds  
 Douglas N. Runckel  
 John F. Schenk  
 Gary K. Schreiner  
 John L. Sheridan  
 John R. Sinnhuber  
 Peter B. Slabaugh  
 Mason A. Smith  
 Selwyn M. Spray  
 James B. Steward  
 John R. Stoianoff  
 Alan J. Stransky  
 Stephen E. Sulkosky  
 Stephen J. Thomas, Jr.  
 Michael J. Thompson  
 Terry B. Tri  
 Donald E. Walker  
 Paul D. Wardlaw  
 Thomas A. Warlick  
 Keith R. Weeks  
 Roy M. White, Jr.  
 Michael D. Wicks  
 Diane C. Williams  
 Howard L. Worcester  
 Richard C. Wuthrich

# ENROLLMENT AND DEGREES

## Fourth Year Class

Janice M. Anderson  
 Donald T. Arai  
 Robert L. Backstrom  
 Richard P. Belts  
 Steven K. Bidleman  
 Maureen K. Bradley  
 Jeffrey L. Brandon  
 Phyllis J. Brown  
 Richard S. Buswell  
 Gary B. Calandra  
 Douglas T. Campbell  
 Richard L. Carpenter  
 Sharon A. Colton  
 Maxwell A. Cooper  
 Jon C. Counts  
 Robert B. Cox, Jr.  
 Darrell L. Davey  
 Joseph H. Diehl, Jr.  
 Michael F. Egans  
 Randy L. Ellerbrook  
 Nora L. Fairley  
 Richard P. Fogdall  
 Laurence R. Foster  
 Michael B. Gavin  
 Daniel J. Gebhardt  
 Glenn A. Gerritz, Jr.  
 J. Robert Grierson  
 James S. Griffith, Jr.

Richard A. Haddock  
 B. Patrick Harpole, Jr.  
 John O. Hayhurst  
 William B. Heyerman  
 Alan C. Hilles  
 William D. Hosack  
 Clyde E. Hunt  
 Ansel Q. Hyland  
 George E. Imhoff  
 Peter E. Jensen  
 Korey S. Jorgensen  
 Raymond E. Kauffman  
 James L. Kelley  
 Louis F. Kretschmer  
 W. Jackson Lovern  
 James Lynch  
 Linda L. Mackprang  
 Paul A. McConnel  
 Allen E. McDaniels, Jr.  
 Robert L. Miller  
 Scott G. Miller  
 Michael R. Moon  
 Craig W. Morrison  
 Robert L. Nelson  
 Norwyn R. Newby  
 Ralph V. Nishitani  
 James F. Novak

Charles M. Owen  
 Peter F. Petersen  
 William L. Playfair  
 Stephen E. Pliska  
 Gerald A. Rappe  
 Larry F. Rich  
 George G. Richardson,  
 Kenneth D. Rost  
 Ned R. Schroeder  
 Ted R. Schroeder  
 David G. Schwarz  
 Thomas A. Staats  
 William O. Stahl  
 Philip R. Stonebrook  
 Robert J. Stuart, Jr.  
 James R. Swartley  
 Earl J. Van Volkinburg  
 Bruce E. Van Zee  
 Charles N. Versteeg, Jr.  
 Harold G. Vick  
 Colin L. Walker  
 Frank H. Webster  
 A. Scott Wheeler  
 Norman J. Wilder  
 Donald J. Wodtli  
 Robert L. Wollmuth  
 Wayne E. Wright

## Graduate Students

Jack Alhadeff  
 Richard Anderson  
 Alan Besette  
 Lawrence Bitte  
 J. Michael Bowers  
 Helene Bender  
 Esmond Braun  
 Donald Brooks  
 Wesley Bullock  
 William Buss  
 Gary Calandra  
 Richard Carlsen  
 Kurien Chacko  
 William Corry  
 Steven Cox  
 John Czaja  
 H. Michael Danciger  
 Stephen Edney  
 Susan Ettinger  
 Daniel Ford  
 Bruce Fowler  
 Nancy Gerhardt  
 Allen Goldblatt  
 Steven Goodstein

Martha Gorman  
 Daniel Gray  
 Daila Gridley  
 Kenneth Haraguchi  
 David Hess  
 Richard Hess  
 Douglas Holt  
 John Jennings  
 Anthony Kirkpatrick  
 Glenn Knitter  
 Robert Knox  
 Judith Korany  
 Karen Korsmo  
 Ernest Lane  
 Hubert Leonard  
 Samuel Lin  
 Brenda Lonsbury  
 Bruce Mackler  
 Jon Lindsay  
 Alvin Manalaysay  
 Lynne Manaugh  
 Thomas Manaugh  
 Walter Manigault  
 Glen Martin

Curtin Mitchell  
 Stanley Murphy  
 Robert Nelson  
 Haide Nezam-Tehrani  
 George Olsen  
 Catherine Olson  
 Steven Packham  
 Charles Paris  
 Richard Pope  
 Arnold Poutala  
 Dwain Reed  
 Patrick Reynolds  
 Francis Roberts  
 Lee Robertson  
 Peter Sakellaris  
 Karmen Schmidt  
 John Scott  
 Judith Smith  
 Robert Smith  
 Virginia Spangler  
 Peter Stenzel  
 Forrest Streb  
 James Thliveris  
 Thomas Vedvick

## ENROLLMENT

Richard Walloch  
Cody Wasner

William Weaver  
Billie Wilson

Donna Woodson

### Non-Degree Students

Fred Bremner  
Kenneth Carneiro  
Paul Carpenter  
Jean Church  
Beverly Cleland  
Andre Craan  
Murray Dickson  
Gary Ellibee  
Leonard Evans  
John Frick  
Ivan Gasoi  
Richard Gillette  
Suzanne Hughes

Bernice Jones  
Diane Lovely  
Marilyn Martin  
Peter Miller  
Daniel Moore  
Fredrick Mueller  
Richard Pailthorp  
Richard Park  
Ethel Polonoff  
Margaret Querna  
Caroline Raschio  
Robert Rutherford  
Shirley Schnider

Stuart Selikowitz  
Glen Shimshak  
Sandra Siegner  
Michael Simon  
Ray Stewart  
Cynthia Trombley  
Patricia Van Bellinghen  
Louis Wagner  
Scott Walker  
Erwin Weichel  
Robert Williams  
David Worthington  
Earl Yeamans

### Medical Technology Students

Aurel Anderson  
Cecilia Ane  
Barbara Baker  
Synette Berkeley  
Carl Bond  
Sandra Bond  
Susan Brick  
Margreta Cheng  
Gayle Conrad  
Nancy Delany  
Clifford Farrier  
Linda Froseth  
Marcia Gauthier  
Catherine Ginn  
Carol Heeter  
Berrie Hoppas

Charleen Hottenstein  
David Johnson  
Kathryn Johnson  
Karen Ketrenos  
David Kindred  
Sharon Lee  
Nancy Leslie  
Mary Lysne  
Carol Martin  
Kathleen Martin  
Barbara McGarry  
Pamela Miller  
Kathleen Nizic  
Kathleen Olheiser  
Sue Randall

Charlotte Retondo  
Karen Runner  
Shirley Shaw  
Carolyn Sleeter  
LaNita Smith  
Patricia Taylor  
Susan Thomson  
Ronald Ueoka  
Maryann Wenrick  
Margaret Wheeler  
Jeannette Wilhelm  
Victoria Wollaston  
Betty Woodward  
Kathleen Yamada  
Robert Yancy

ENROLLMENT  
AND DEGREES

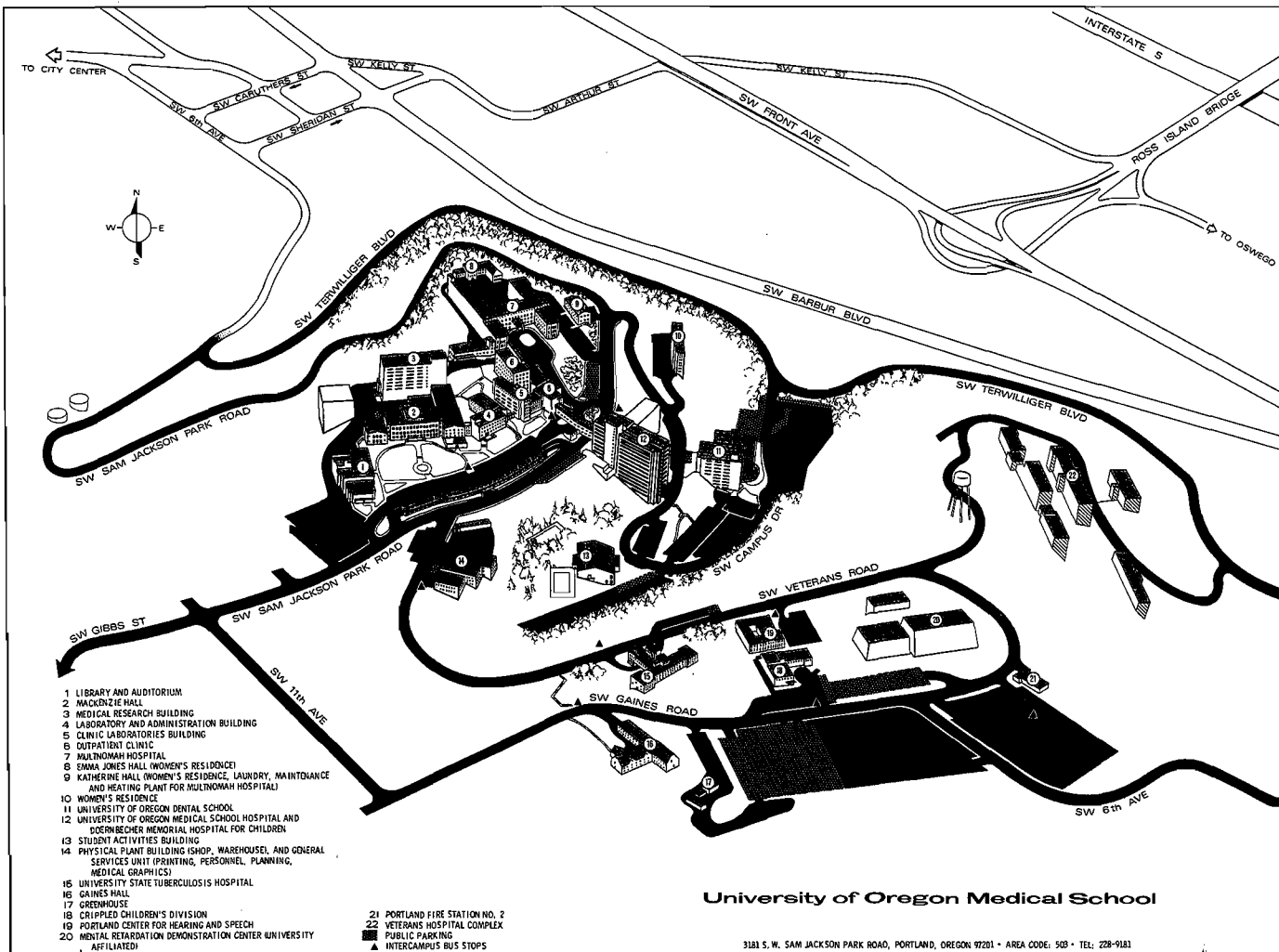
*Summary of Enrollment 1969-1970*

	Men	Women	Total
First year .....	86	5	91
Second year .....	83	8	91
Third year .....	88	5	93
Fourth year .....	76	6	82
Total regular students .....	333	24	357
Graduate students .....	59	16	75
Special students and auditors .....	27	12	39
Medical technology students .....	6	40	46
Total .....	425	92	517

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- 3 MEDICAL RESEARCH BUILDING
- 4 LABORATORY AND ADMINISTRATION BUILDING
- 5 CLINIC LABORATORIES BUILDING
- 6 OUTPATIENT CLINIC
- 7 MULTNOMAH HOSPITAL
- 8 EMMA JONES HALL (WOMEN'S RESIDENCE)
- 9 KATHERINE HALL (WOMEN'S RESIDENCE, LAUNDRY, MAINTENANCE AND HEATING PLANT FOR MULTNOMAH HOSPITAL)
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- 11 UNIVERSITY OF OREGON DENTAL SCHOOL
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- 15 UNIVERSITY STATE TUBERCULOSIS HOSPITAL
- 16 GAINES HALL
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- 20 MENTAL RETARDATION DEMONSTRATION CENTER (UNIVERSITY AFFILIATED)

- 21 PORTLAND FIRE STATION NO. 2
- 22 VETERANS HOSPITAL COMPLEX
- PUBLIC PARKING
- ▲ INTERCAMPUS BUS STOPS

**University of Oregon Medical School**

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